



ਤੇਰਾ ਘਰ ਮੇਰਾ ਅਸੀ
ESTD. 1875



GOVT. MOHINDRA COLLEGE
PATIALA

GOVERNMENT MOHINDRA COLLEGE PATIALA

(Affiliated to Punjabi University, Patiala)



NAAC ACCREDITED GRADE A+ CYCLE-I

NAAC REACCREDITED GRADE A (CGPA 3.86) CYCLE-II

AISHE CODE: C-22146

INTERNAL QUALITY ASSURANCE CELL (IQAC)

AMARJIT SINGH (PES-I)
Principal

LOVELEEN PARMAR
IQAC Coordinator

MOHAMMAD SOHAIL
IQAC Co-Coordinator

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INTERNAL QUALITY ASSURANCE CELL

IQAC



GOVERNMENT MOHINDRA COLLEGE, PATIALA

Supporting Documents/Additional Information

Title 1.3.1 *Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum*

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2018-19

1.3.1 List of Courses relevant to Professional Ethics, Gender, Sensitization, Human Values and Environment Sustainability. Session 2018-2019				
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**BCH-604
CORPORATE GOVERNANCE & SOCIAL RESPONSIBILITY OF
BUSINESS**

Time Allowed: 3 Hrs	Max. Marks: 100
Period per week: 5	External
Assessment: 70	
Pass percentage: 30%	Internal
Assessment: 30	

Instructions for Paper Setters/Examiners

The question paper covering the entire course shall be divided into two sections as follows:

SECTION-A

It will consist of essay type questions. Four questions shall be set by the examiner from Unit-1 of the syllabus and the candidate shall be required to attempt two. Each question shall carry 10 marks; total weight of the section shall be 20 marks.

SECTION-B

It will consist of essay type questions. Four questions shall be set by the examiner from Unit-2 of the syllabus and the candidate shall be required to attempt two. Each question shall carry 10 marks; total weight of the section shall be 20 marks.

SECTION-C

It will consist of 10 very short answer questions from entire syllabus. Students are required to attempt 10 questions, up to five lines in length. Each question shall carry 3 marks; total weight of the section shall be 30 marks.

UNIT-1

Corporate Governance: concept, meaning, scope and need of Corporate Governance, Corporate Governance mechanism, Corporate Governance and stakeholders: obligation to investors, obligation to employees, obligation to customers, managerial obligation, obligation to government, Features of good governance, Role played by regulators to improve corporate governance, **Business Ethics** vis-a-vis Corporate Governance, corporate and board management, types of directors

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Promoter, manager, Shareholder, Independent Board Committee, Audit Committee, Remuneration Committee, Shareholders' grievance committee, other committees.

UNIT-2

Global Perspectives of Corporate Governance: Cadbury Committee, Greenbury Committee, OECD Principles of Corporate Governance, Corporate Governance in India: Kumar Mangalam Birla Committee on corporate Governance, Narayan Murthy Committee, Corporate Appointment of Small Shareholders' Director Rules (2003), Clause 49 of Listing Agreement & Governance: Meaning, scope and importance, Corporate Social Responsibility: Meaning, evolution of CSR, Relation between CSR and Corporate governance: environmental aspects of CSR, models of CSR in India, drivers of CSR, CSR Legislation in India: Section 135 of Companies Act 2013

SUGGESTED READINGS:

1. Sharma, J. P., Corporate Governance, Business Ethics & CSR, Anu Books Pvt. Ltd, New Delhi.
2. Sharma, J. P., Corporate Governance and Social Responsibility of Business, Anu Books Pvt. Ltd, New Delhi.

PUNJABI UNIVERSITY, PATIALA

SYLLABUS

BACHELOR OF LAWS PART-IV (SEVENTH & EIGHTH SEMESTER)
(FIVE YEARS COURSE)
FOR 2017-18, 2018-19 & 2019-20 SESSIONS

SCHEME OF STUDIES

SEVENTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Law of Evidence	74	26	100
Paper-II	Land Laws including Tenure & Tenancy System	74	26	100
Paper-III	Law of Crimes - I (Penal Code)	74	26	100
Paper-IV	Moot Court Participation and Seminar-I	-	-	100*
Paper: V	Any one of the following : a) Law Relating to Information Technology and Right to Information b) Banking Law c) Health Law	74	26	100
	Total	296	104	500

EIGHTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Drafting, Pleading and Conveyancing	74	26	100
Paper-II	Professional Ethics and Professional Accounting System	74	26	100
Paper-III	Law of Crimes-II (Criminal Procedure)	74	26	100
Paper-IV	Moot Court Participation and Seminar-II	-	-	100*
Paper: V	Any one of the following : (a) Insurance Law (b) Financial Marketing Regulation (c) Law on Education (d) AVIATION LAW & AIR TRANSPORT MANAGEMENT	74	26	100
	Total	296	104	500

- * For Paper- IV : Moot Court Participation and Seminar-I & Moot Court Participation and Seminar-II are of 100 marks i.e. Moot Courts (Every Student will give presentation at two moot courts with 30 marks each) = 60 marks
Court Visit = 20 marks
Seminar = 20 marks

Paper - II : Professional Ethics and Professional Accounting System

Unit-I

Historical Introduction to Legal Profession in India : Development of Legal Profession in India
Privileges and Rights of Legal Profession, Importance, Distinction from other Professions and Business.

Admission and Enrolment of Advocates, Privileges and Rights to practice of Advocate
Composition of State Bar Council and its Powers and Functions. Constitution of Disciplinary Committee, Powers, Receipt of Complaint, Disposal and Punishment.
Bar Council of India : Composition, Functions and Powers of Bar Council of India
Conducts of Advocates : Meaning and Scope of Professional and Other Misconducts
Constitution and powers of Disciplinary Committee
Punishment of Advocate for misconduct
Disciplinary powers of Bar Council of India
Disposal of disciplinary proceedings
Powers of Review, Revision and Appeal
Right to Appeal to the Supreme Court

Unit-II

Professional Ethics of Lawyers

Duties of Advocates, Duty to Public and State
Duties towards Courts
Duties towards Clients
Duties to render Legal Aid
Duties towards Opponent, Colleagues and other Residual Duties
Conflicts between interest and duty
Bench-Bar Relationship and Lawyers' Strike
The Contempt of Courts Act, 1971 : Meaning of Contempt, Categories of Contempt, Constitutional Validity of the *Contempt of Courts Act, 1971*
Constitutional Provisions Regarding Powers of the Supreme Court and the High Courts
Houses of Parliament of State Legislatures for Punishing for their Contents
Nature, Scope and Salient features of the Legal Service Authorities Act, 1987.

Suggested Readings

A.N. Chaturvedi : Pleading and Conveyancing with Advocacy and Professional Ethics
Bare Act of Advocates Act, 1961 & Bar Council of India Rules
14th Law Commission of India
Dr. Ravi Karan Singh : Dispensation of Justice - Role and Accountability of Judges and Advocates, Deep & Deep, 2004.

Semester - IV

		External Assessment	Internal Assessment	Total
Psy.IV.	1. Personality Assessment	75	25	100
	Core			
Psy.IV.	2. Research Methodology	75	25	100
	Core			
Psy.IV.	3 : Any one of the following options-100 each			
	Core			
	Opt. (i) : Motivation and Emotion	75	25	100
	Opt. (ii) : Counselling Psychology	75	25	100
	Opt.(iii) : Health Psychology	75	25	100
	Opt.(iv) : Psychology of Sports	75	25	100
Psy.IV.	4: Any one of the following options-100 each			
	Elective			
	Opt.(i) : Psychological Issues in Human Resource Development	75	25	100
	Opt.(ii) : Clinical Psychology	75	25	100
	Opt.(iii) : Forensic Psychology	75	25	100
	Opt.(iv) : Cyber Psychology	75	25	100
Psy.IV.	5. Practicals (Personality and Ability Testing and Computers)	30+30+15	25	100
	Core			

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Part D - I: PERSONALITY ASSESSMENT

Max. Marks : 75
Minimum Marks : 35%

Total Teaching Periods : 40
Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections: A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from the sections A and B and the entire section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines. Each short answer type question will carry 3 marks.

SECTION - A

(i) **Personality Assessment : Foundations: Reliability, Validity & Justification of psychological tests**

Theoretical Assumptions of different assessment methods: Clinical versus Statistical Prediction

(ii) **Psychometric Tests : MMPI, CPLEPO-R, Conroy's 16 PF, NEO PI-R**

Section - B

(i) **Projective Tests : Rorschach Inkblot technique, TAT, Word Association Test, Sentence Completion Test**

(ii) **Testing of Cultural and Linguistic Minorities**

Ethical Issues in Personality Testing**REFERENCES**

- Anandhi, A. and Urbina, S. (2004) Psychological Testing: Singapore : Pearson Education.
- Cronin, R.J. and Marsalis, R.J. (1987) Personality Theories : Research and Assessment. Illinois : Prentice.
- Kline, P. (1987) Personality : Measurement and Theory. New York : St. Martin's Press.
- Atlas, L.R. (1989) Assessment of Personality. Boston : Allyn and Bacon.
- Goldstein, G. and Herson, M. (Ed.) Handbook of Psychological Assessment. New York : Praeger.
- Gregory, R. (2004) Psychological Testing: History, Principles and Application. New Delhi : Pearson Education.

Part B : (40 Marks) **COUNSELLING PSYCHOLOGY (THEORY)**

Max. Marks : 75

Maximum Marks : 35%

Total Working Periods : 30

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE NAPER - SETTER

The question paper will consist of three sections: A, B and C. Sections A and B will have five questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to answer five questions each from the sections A and B and the entire section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines. Each short answer type question will carry 3 marks.

SECTION - A

- (i) **Name, History and Principles of Counselling, Training of Counsellors, Ethical Issues in Counselling**
- (ii) **Approaches to Counselling: Psychoanalytic, Behavioural, Cognitive, Humanistic**

SECTION - B

- (i) **Counselling Process: Effective Counselling Relationship, Stages, Counselling Skills, Counsellor Appraisal: Use of Testing and Non-Testing Techniques**
- (ii) **Counselling Applications: School Counselling, Family Counselling, Counselling for Child Abuse, Drug Abuse, Counselling for HIV/AIDS**

REFERENCES

- Ginzberg, R.L. and Coleman, T.S. (1986). *Counselling: Theory and Practice*. Englewood Cliffs, N.J.: Prentice Hall.
- Ginzberg, R.L. (1986). *Counselling, Competence Approach*. Englewood Cliffs, N.J.: Prentice Hall.
- Patterson, J.E. & Wolff, L.E.R. (2000). *The Counselling Process*. E.A.: Brooks/Cole.
- Corey, G. (1992). *Theory and Practice of Counselling and Psychotherapy*. CA: Brooks/Cole.
- Nelson-Jones, R. (1997). *The Theory and Practice of Counselling*. London: Cassell.
- Haiman, B. & Stone, V.C. (1994). *Psychometrics of Counselling*. Palm Atm.: Hogrefe-Holtz Company.
- Khandel, M. & (2001). *Introduction to Counselling*. An Act and Science Programme.

SYLLABUS

M.A. (PUBLIC ADMINISTRATION) PART-II
(SEMESTER III & IV)
(2018-2019 & 2019-20 SESSIONS)

For Regular/Distance Education/Private Students

PAPER II: EMERGING AREAS IN INDIAN ADMINISTRATION

For Regular students Six Periods per week per paper to be delivered.

For Regular/Distance Education Students	For Private Students
Maximum Marks: 100	Maximum Marks: 100
Theory: 75	
Internal Assessment: 25	

Time allowed: 3 hours

Pass marks : 35%

Total Teaching Periods: 75

INSTRUCTIONS FOR THE PAPER-SETTER

(For Regular and Distance Education Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

(For Private Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 16 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from Sections A and B of the question paper and the entire Section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

Section A

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MB

SYLLABUS

PAPER II - EMERGING AREAS IN INDIAN ADMINISTRATION

For Regular students Six Periods per week per paper to be delivered.

For Regular/Distance Education Students:	For Private Students:
Maximum Marks : 100	Maximum Marks: 100
Theory: : 75	
Internal Assessment: 25	

Time allowed: 3 hours
Pass marks : 35%
Total Teaching Periods: 75

INSTRUCTIONS FOR THE PAPER-SETTER

(For Regular and Distance Education Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

(For Private Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 16 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from Sections A and B of the question paper and the entire Section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.


Section A

1. Good Governance: Origin, Basic Elements of Good Governance, Challenges to Good Governance in India.
2. Citizen Centric Administration: Evolution, Features and Significance of Citizen's Charters.

1. Good Governance: Origin, Basic Elements of Good Governance, Challenges of Good Governance in India.
2. Citizen Charter, Administrative Excellence, Importance of Citizen's Charter.
3. Need for Public Relations in India, The Supreme Court Initiative of 2000 and its Impact.
4. Public-Private Interface.
5. Ethics and Values in Public Services and in Public Administration - Code of Conduct.

Section B

6. Ethics in Governance, Continuum of Politics and administration.
7. Qualities of a good administrator - Are they sufficient in present scenario?
8. Nature and Types of Decisions
9. Decision Management - The Decisions Management Act, 1993
10. Organization and Functions of National Institute Management Academy


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PUNJABI UNIVERSITY, PATIALA
SYLLABUS

Bachelor of Laws

LL.B. Three Year Course

(Semester 5th and 6th Semester)

FOR 2016-2017, 2017-2018 & 2018-2019 SESSIONS

SCHEME OF STUDIES

FIFTH SEMESTER

- Paper-I : Code of Civil Procedure and Limitation Act
 Paper-II : Law of Evidence
 Paper-III : Land Laws Including Tenure & Tenancy System
 Paper-IV : Option : Any one of the following :
 (a) Gender Justice
 (b) Law Relating to Information Technology and Right to Information
 (c) Forensic Science and Law
 Paper-V : Option : Any one of the following :
 (a) Law of Registration, Specific Relief and Court Fee
 (b) Criminology, Penology and Victimology
 (c) Private International Law

SIXTH SEMESTER

- Paper-I : Drafting, Pleading and Conveyancing
 Paper-II : Alternate Dispute Resolution and Legal Aid
 Paper-III : Professional Ethics and Professional Accounting System
 Paper-IV : Moot-Court Exercise and Internship
 Paper-V : Option : Any one of the following :
 (a) Intellectual Property Law
 (b) Interpretation of Statutes

**GENERAL INSTRUCTIONS FOR THE PAPER
SETTER FOR ALL THE PAPERS**

- The maximum marks for each paper are 74 and the time allowed is 3 hours.
- The minimum number of marks required to pass each paper shall be 45% in University Examination and 45% in University Examination and Internal Assessment taken together.
- The question paper will consist of three units : I, II and III. Unit I and II will have four questions from the respective Units of the syllabus and will carry 11 marks each. Unit III will consist of 10 short-answer type questions, which will cover the entire syllabus uniformly and will carry 30 marks in all.
- Internal exams marks for each paper are 26 which includes 05 marks of Attendance, 11 marks of Written Assignment/Project Work etc. and 10 marks for Two Mid-Semester Tests/Internal Examination.

Option Paper-(B) Gender Justice

UNIT-I

Concept of Gender- Biological Distinction

- Constitutional Safeguards and Role of Judiciary.
- Convention on Elimination of All Forms of Discrimination Against Women.
- Protection of women from Domestic Violence

Gender Justice and Personal Laws

- Adoption and Guardianship Rights.
- Property and Inheritance Rights.
- Rights of Maintenance.
- Uniform Civil Code towards Gender Justice.

UNIT-II

Gender Related Crimes

- Child marriage
- Prostitution and Trafficking
- Female foeticide
- Sexual harassment of Women.

Gender Justice Issues

- Women and Work
- Women and Health
- Women and Education

M.A. (SOCIOLOGY) PART-II
For Regular/Distance Education Students
(FOURTH SEMESTER)

Session : 2018-2019 & 2019-2020

Note: Regular/Distance Education Student each paper is of 70 marks and 30 marks of Internal Assessment.

The Break-up of 30 Marks for Internal Assessment (Theory Papers) is as below:

- | | |
|--|----------|
| 1. Test | |
| 12 Marks | |
| 2. Class Attendance | 06 Marks |
| 3. Field Work / Project Work/Assignment/
Seminar etc. | 12 Marks |

TOTAL MARKS	30 Marks
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SEMESTER-IV
PAPER-I

SOCIOLOGICAL AND ANTHROPOLOGICAL
THEORIES-IV

Regular/Distance Education M. Marks: 100
3hrs

Time Allowed:

Pass Marks: 25
Theory 70+Internal 30

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

PAPER 4
GENDER AND SOCIETY

Regular/Distance Education M. Marks: 100
3hrs
Paper Marks: 25
Theory 70+Internal 30

Time Allowed

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have five questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks

Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B.

All questions in Section C are compulsory.

SECTION-A

- Q1. Basic Concepts : Sex, gender, patriarchy, masculinity, femininity, gender identity, Sex Role and its Social implications.
- Q2. Theories of Feminism : Liberal, radical, Marxist, socialist and Post modernist
- Q3. Women's movement in the West
- Q4. Women's movement in India

SECTION-B

- Q1. Women and Family : (a) Role of women.
(b) Biological perspective.
(c) Cultural perspective.
(d) Social construction of gender.
- Q2. Women and Work : (a) Invisibility of women's work.
(b) Role of women in economy
- Q3. Position of Women in Indian Society : A historical perspective.
- Q4. Emerging Issues : (a) Women's rights.
(b) Violence against women.

Prof. M. S. ...
M. S. ...
M. S. ...

Syllabus
MA (PSYCHOLOGY) PART - I
SEMESTER I & II
FOR 2017-2018 AND 2018-19 EXAMINATION

SEMESTER - I

		External Assessment	Internal Assessment	Total
Psy. I.1	Systems and Theories of Psychology	75	25	100
Core				
Psy. I.2	Experimental Psychology	75	25	100
Core				
Psy. I.3	Physiological Psychology	75	25	100
Elective				
Psy. I.4	Statistics in Psychology	75	25	100
Core				
Psy. I.5	Practicals (Lab Experiments, Computers)	60+15	25	100
Core				

Internal Assessment of 25 marks in each theory Paper.

Break up of marks for Theory Papers is as follows

2 Tests	: 10 Marks
Attendance	: 5 Marks
Assignment/Project/Seminar	: 10 Marks

SEMESTER - II

		External Assessment	Internal Assessment	Total
Psy. II.1	Cognitive Processes	75	25	100
Core				
Psy. II.2	Social Psychology	75	25	100
Core				
Psy. II.3	Environmental Psychology	75	25	100
Elective				
Psy. II.4	Experimental Designs in Psychology	75	25	100
Core				
Psy. II.5	Practicals (Field Studies, Cognitive Testing, Computers)	50+30+15	25	100
Core				

Internal assessment of 25 marks in each paper.

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Break up of marks for Theory Papers is as follows

2 Tests (Average Marks)	: 10 Marks
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 Dr. Mahindra
 Dr. Mahindra

Sem-II

Psy. II.2: SOCIAL PSYCHOLOGY**Core Paper**

Maximum Marks: 75

Total Teaching Periods: 60

Credits - 5

Time Allowed: 3 Hours

SECTION - A

- (i) Social Psychology: Research Methods & Current Trends.
- (ii) Theories of Social Psychology: Social Consistency (Cognitive Dissonance Theory, Balance Theory), Social Exchange Theory, Attribution Theory (Kelley, Jones & Davis, Weiner).
Nature of Groups . Major Group Processes: Social Facilitation, Social Loafing, Deindividuation.

SECTION - B

- (i) Social Influence Processes:
Gender Altruism: Theoretical Perspectives & Current Trends.
Interpersonal Attraction: Theoretical Perspectives & Current Trends.
- (ii) Applied Social Psychology-Nature.
Social Psychology and Health Care.
Social Psychology and the Law.
Social Psychology and Organisations.

REFERENCES

1. Baron, R.A., & Byrne, D. (2000). *Social Psychology (9th Ed.)*. New Delhi: Prentice Hall of India Pvt. Ltd.
2. Bickman, L., & Rog, D.L. (1997). *Handbook of Applied Social Research*. Thousand Oaks: Sage
3. Dalal, A.K., & Misra, G.(2002). *New Directions in Indian Psychology, Vol. 1. Social Psychology*. New Delhi: SAGE.
4. Daniel, P. & Cozby, P.C.(1983). *Social Psychology*. New York: CBS College Publishing Hot, Rinehart and Winston.
5. Feldman, R.S. (1995). *Social Psychology*. New Jersey: Prentice Hall.
6. Fisher, R.J. (1982). *Social Psychology-An Applied Approach*. New York: St. Martin's Press.
7. Gergen, K.J., & Gergen, M.M. (1981). *Social Psychology*. USA: Library of Congress.
8. Hewitt, J.P. (1997). *Self and Society: A Symbolic Interactionist Social Psychology*. Boston: Allyn & Bacon.
9. Hogg, M.A., & Cooper, J. (2003). *Sage Handbook of Social Psychology*. Los Angles: SAGE.
10. Lindzey, L. & Aronson, E.(1975). *The Handbook of Social Psychology (2nd Edn.)*, Vol. II, II & IV, New Delhi: Amerind Publishing co. Pvt. Ltd., New Delhi.
11. Mathur, S.S. (2004/05). *Social Psychology*. Agra: Vinod Pustak Mandir.
12. Millon, T. & Lerner, M. (2003). *Handbook of Psychology (Vol.-5)*-John Wiley and sons Inc.
13. Misra, G. (1990). *Applied Social Psychology in India*. New Delhi: SAGE.
14. Myers, D.G. (2005). *Social Psychology*. Boston: Mc Graw Hill.
15. Myers, D.G. (2006). *Social Psychology (8th Edn.)*-Tata McGraw Hill International Editions.
16. Rogers, W.S. (2003). *Social Psychology: Experimental and Critical Approaches*. Philadelphia: Open University Press.
17. Raven, B.H., & Rubin, J.F. (1983). *Social Psychology*. New York: John Wiley & Sons.
18. Shaw, M. E., & Costanzo, P.R. (1982). *Theories of Social Psychology*. New York: McGraw Hill.
19. Taylor, M., & Mogaddam, F.M. (1987). *Theories of Intergroup Relations*. New York: Praeger.
20. Triandis, H.C. (1995). *Culture and Social Psychology*. New York: McGraw Hill.

SYLLABUS

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(FOR REGULAR AND DISTANCE EDUCATION CANDIDATES ONLY)

M.A. II (ENGLISH)
SEMESTER III & IV
SESSIONS 2018-19 & 2019-2020

SEMESTER III

Core Course-IX	Literature and Modernity	Max. Marks: 100 Written Examination: 75 Marks Internal Assessment: 25 Marks Pass Marks: 35%
Core Course-X	Twentieth Century Poetry and Fiction	-do-
Core Course-XI	Literature and Gender	-do-
Elective Course-XII	One of the Following Options : (i) Literature and Postcoloniality (ii) Creative Writing (iii) Modern Indian Literature in Translation	-do-

SEMESTER IV

Core Course-XIII	Literary and Cultural Theory	Max. Marks: 100 Written Examination: 75 Marks Internal Assessment: 25 Marks Pass Marks: 35%
Core Course-XIV	Indian Writing in English	-do-
Core Course-XV	American Literature	-do-
Elective Course-XVI	One the following options: (i) Literature and Politics (ii) Language and Linguistics (iii) European Drama	-do-

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**CORE COURSE - XI
LITERATURE AND GENDER**

Time: 3 hours

Max. Marks: 100
Written Examination: 75 Marks
Internal Assessment: 25 Marks
Pass Marks: 35%

INSTRUCTIONS FOR THE PAPER-SETTER

UNIT-I shall have two questions with internal alternative from the prescribed texts. These questions shall carry 12+11=23 marks.

UNIT-II shall have three questions, one from each prescribed text. The candidate shall

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attempt any two. These questions shall carry 11+11=22 marks

UNIT-III shall cover the entire syllabus and shall be of 30 marks. This question shall comprise ten short-answer questions of about 100-120 words each - two on each prescribed text and the remaining two on history/movement(s)/genre(s)/concepts pertaining to the course. Each question shall carry 3 marks.

UNIT-I

Jean Rhys - *Wide Sargasso Sea*
Shashi Deshpande - *That Long Silence*

UNIT-II

Simone de Beauvoir - *The Second Sex: Introduction and Book I - Part III*
Virginia Woolf - *A Room of One's Own*
'Feminisms' - an essay by Fiona Tolan from *An Oxford Guide to Literary Theory and Criticism* edited by Patricia Waugh

UNIT-III

UNIT-III shall include Units I & II and the history/movement(s)/genre(s)/concepts pertaining to the course. It shall comprise short-answer questions.

RECOMMENDED READING

Freidan, Betty	:	The Feminine Mystique
Susan Griffin	:	Woman and Nature: The Roaring Inside Her
Freedman, Jane	:	Feminism
Lola Chatterjee ed.	:	Woman Image Text
Adrienne Rich	:	Of Woman Born
Maggie Humm:	:	Feminist Criticism
Judith Evans	:	Feminist Theory Today
Maggie Fuller	:	Woman in the Nineteenth Century
Sandra Gilbert and Susan Gubar	:	Mad Woman in the Attic
Jasbir Jain, ed.	:	Women's Writing
Iqbal Kaur, ed.	:	Kate Chopin's The Awakening: Critical Essays.
Landry, Donna	:	The Spivak Reader
Roseann, P. Bell	:	Study Blacke Bridges
Nan Baian Maglin	:	The Literature of Matrilineage
Hari Prasanna	:	Image of Woman in Shashi Deshpande's Fiction: A Study

Simone de Beauvoir

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Landry, Donna	:	Critical Essays.
Roseann, P. Bell	:	The Spivak Reader
Nan Baian Maglin	:	Study Blacke Bridges
Hari Prasanna	:	The Literature of Matrilineage
	:	Image of Woman in Shashi Deshpande's Fiction: A Study

Simone de Beauvoir

- Evans, Ruth. *Simone de Beauvoir's The Second Sex: New Interdisciplinary Essays*. Manchester University Press, 1998.
- Fallaize, Elizabeth. *Simone de Beauvoir: A Critical Reader*. Psychology Press, 1998.
- Simons, Margaret A. *Beauvoir and The Second Sex: Feminism, Race, and the Origins of Existentialism*. Rowman & Littlefield Publishers, 2001.
- . *Feminist Interpretations of Simone de Beauvoir*. Penn State Press, 2010.
- Scarth, Fredrika. *The Other Within: Ethics, Politics, and the Body in Simone de Beauvoir*. Rowman & Littlefield, 2004.
- Briggs, Julia. *Reading Virginia Woolf*. Edinburgh University Press, 2006.
- Goldman, Jane. *The Cambridge Introduction to Virginia Woolf*. Cambridge University Press, 2006.

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- DiBattista, Maria. *Imagining Virginia Woolf: An Experiment in Critical Biography*. Princeton University Press, 2009.
- Bryony Randall, Jane Goldman. *Virginia Woolf in Context*. Cambridge University Press, 2012.

Virginia Woolf

- Briggs, Julia. *Reading Virginia Woolf*. Edinburgh University Press, 2006.
- Goldman, Jane. *The Cambridge Introduction to Virginia Woolf*. Cambridge University Press, 2006.
- DiBattista, Maria. *Imagining Virginia Woolf: An Experiment in Critical Biography*. Princeton University Press, 2009.
- Bryony Randall, Jane Goldman. *Virginia Woolf in Context*. Cambridge University Press, 2012.
- Rosenman, Ellen Bayuk. *A Room of One's Own: Women Writers and the Politics of Creativity*. Twayne Publishers, 1995.

Jean Rhys

- Carl Plasa. *Jean Rhys: Wide Sargasso Sea*. Palgrave Macmillan, 2003.
- Elaine Savory. *Jean Rhys*. Cambridge University Press, 1998.
- Veronica Marie Gregg. *Jean Rhys's historical imagination: reading and writing the Creole*. University of North Carolina Press, 1995.
- Pierrette M. Frickey. *Critical Perspectives on Jean Rhys*. Lynne Rienner Publishers, 1990.

Shashi Deshpande

- | | | |
|------------------------------|---|--|
| Arey, Mukta and Kirpal Viney | : | Shashi Deshpande: A Feminist Study of Her Fiction |
| Dhawan, R.K. | : | Indian Women Novelists |
| Pathak, R.S. | : | The Fiction of Shashi Deshpande |
| Rajeshwar, M. | : | Indian Women Novelists and Psychoanalysis |
| Roy, Anuradha | : | Patterns of Feminist Consciousness in Indian Women Writers |

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Note: Complete M.A (Sociology) Course carries 80 Credits and each paper carries 5 credits (4 Lecture +1 Tutorial)

(This Scheme is for University Regular Students only)

Semester- I

Core Papers

Credits

Paper-1 General Sociology	5(4L+1T)
Paper-2 Sociological and Anthropological Theory-I	5(4L+1T)
Paper-3 Indian Society	5(4L+1T)

Elective Paper:-

Paper-4 Methodology and Social Research	5(4L+1T)
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Semester- II

Core Papers

Credits

Paper-1 Social Change and Social Problems in Indian	5(4L+1T)
Paper-2 Methodology and Social Research	5(4L+1T)
Paper-3 Sociological and Anthropological Theory-I	5(4L+1T)

Elective Paper

Paper-4 Prospective on Indian Society	5(4L+1T)
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Important: Availability of number of seats in an elective course is subject to the space and faculty constraints of the host department.

PAPER-II
SOCIAL CHANGE AND SOCIAL PROBLEMS IN INDIA
(Subject Code: SOC1206T)

Regular/Distance Education M. Marks: 100
 Pass Marks: 25
 Theory 70+Internal 30

Time Allowed: 3hrs

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10% marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B. Section C is compulsory.

SECTION-A

- | | | |
|------|-----------------------------|---|
| (i) | Processes of Social Change: | Sanskritization, Westernization, Modernization. |
| (ii) | Factors Social Change: | Industrialization, Urbanization, Globalization and Education |
| (i) | Social movements: | Definition, Nature, Characteristics and Types. |
| (ii) | Social Movements in India: | Peasant, Women's, Backward Classes, Dalit, Ethnic and Tribal. |

SECTION-B

- | | | |
|-------|---|--|
| (i) | Social Problems: | Meaning, Causes and Characteristics. |
| (ii) | Theories of Social Problems: | Social Disorganization Approach, Value Conflict Approach, Cultural Lag Approach. |
| (iii) | Population problems, Poverty, Unemployment. | |
| (iv) | Problems of the aged, Physically challenged; crime; corruption, | |

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Incharge
 Department of Sociology &
 Social Anthropology
 Punjabi University, Patiala

Principal
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M.A. (PSYCHOLOGY) PART-II**(SEMESTER III & IV)**
SESSIONS:- 2018-2019 AND 2019-2020

Note: Papers 1, 2, and 5 are compulsory. Students will select any one optional paper from papers - 3 and 4

Semester - III

			External Assessment	Internal Assessment	Total
Psy.III. Core	1.	Personality Theories	75	25	100
Psy. III. Core	2.	Psychometrics	75	25	100
Psy. III. Elective	3 :	Any one of the following options -100 each			
	Opt. (i) :	Intelligence and Creativity	75	25	100
	Opt. (ii) :	Life Span Development	75	25	100
	Opt.(iii) :	Military Psychology	75	25	100
	Opt.(iv) :	Positive Psychology	75	25	100
Psy. III. Core	4 :	Any one of the following options -100 each			
	Opt.(i) :	Organizational Behaviour	75	25	100
	Opt.(ii) :	Psychopathology	75	25	100
	Opt.(iii) :	Cross Cultural Psychology	75	25	100
	Opt.(iv) :	Criminal Psychology	75	25	100
Psy. III. Core	5.	Practicals (Personality and Ability Testing and Computers)	30+30+15	25	100

Semester - IV

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External Assessment	Internal Assessment	Total
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SEMESTER- III

PSY. III. 1. PERSONALITY THEORIES

Max. Marks : 75

Total Teaching Periods : 60

Minimum Marks : 35%

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections: A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from the sections A and B and the entire section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines. Each short answer type question will carry 3 marks.

SECTION - A

- (i) **Personality** : Concept, Assumptions concerning Human Nature, Nature of Personality Theory.
- (ii) **Psychoanalytic Theory and Post Freudian Developments** : Freud, Jung, Adler, Fromm, Erikson.

SECTION - B

- (i) **Trait Theories** : Allport, Cattell, Eysenck, Big Five Model.

- (ii) **Social Learning Theory** : Bandura

Cognitive Theory : Kelley's Personal-Construct Theory

Humanistic Phenomenological Perspective : Rogers, Maslow

REFERENCES

- Corsini, R.J. and Morselia, R.J. : Personality Theories, Research and Assessment. Illinois : Peacock.
- Hall, C.S., Lindzey, J.C. and Manosevitz, M. (1985) : Introduction to Theories of Personality. New York : John Wiley & Sons.
- Kline, P. (1983). Personality, Measurement and Theory. New York : St. Martin's Press.
- Robert, E.B. (1993). Theories of Personality. London : Lawrence Erlbaum Associates.
- Pervin L.A. (1984). Personality Theories, Assessment and Research New York : John Wiley & Sons.
- Hjelle and Ziegler (1992). Personality Theories. Singapore : McGraw Hill.
- Aitken, L.R. (1989). Assessment of Personality. Boston : Allyn and Bacon.
- Friedman, H.S. and Schustack, M.W. (2004). Personality : Classic Theories and Modern

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Max. Marks : 75

Total Teaching Periods : 60

Minimum Marks : 35%

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) **Life Span Development** : Concept, Principles

Pre-natal Development : Stages, Factors, Hazards.

- (ii) **Infancy and Childhood** :

Cognitive Development : Piaget

Moral Development : Kohlberg

Language Development : Chomsky

Socio - Cultural Development : Vygotsky.

SECTION - B

- (i) **Puberty & Adolescence** : Bodily changes, Identity (Erikson, Marcia.)

Parenting : Diana Baumrind, Attachment Theory : Bowlby, Ainsworth

- (ii) **Adulthood** :

Marriage, Family and Work : Levinson, Vaillant

Adjustment Problems in Old Age : Physical, Emotional & Cognitive

Grieving, Dying.

REFERENCES

- Sigelman, C.K., & Rider, E. A. (2005). *Life -Span Human Development*. New Delhi : Cengage
- Berk, L.E. (2009). *Development Through the Lifespan*. New Delhi : Pearson
- Brodinsky, D.M., Garmly, A.V. & Aniborn, S.R. (1986). *Life Span Human Development*. New Delhi : B.S. Publisher.
- Hurlock, E.B. (1968). *Developmental Psychology*. NY : McGraw Hill Book Company.
- Craig, G.J. (1996). *Human Development*. NJ : Prentice Hall Upper Saddle River.
- Hertherington, E. & Mavis (1997). *Child Psychology : A Contemporary Viewpoint* (5th E.) McGraw Hill Companies Inc.
- Meadows, S. (2017). *Understanding Child Development*. UK: Routledge

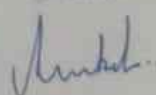
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B. Sc. Part-III, Botany Syllabus for Semester-V and VI
(2016-17, 2017-18 and 2018-19)
Semester-V

	External Marks	Sessional work (Internal Assessment)
Semester V:		
Theory Paper-IX: Plant Physiology	30	8 (Attendance: 2+ Assignment:3 + House Test: 3)
Theory Paper - X: Plant Growth, Development and Biotechnology	30	8 (Attendance: 2+ Assignment:3 + House Test: 3)
Practical Pertaining to theory paper IX & X	24	Nil
Total	84	16
Grand Total		100
Semester VI:		
Theory Paper - XI: Plant Ecology	30	8 (Attendance: 2+ Assignment:3 + House Test: 3)
Theory Paper - XII: Plant Utilization	30	8 (Attendance: 2+ Assignment:3 + House Test: 3)
Practical Pertaining to theory paper XI & XII	24	Nil
Total	84	16
Grand Total		100

Note:

1. The number of teaching hours per week for each theory paper: 03 Hours
2. The number of teaching hours for each practical: 06 Hours
3. In the final examination there will be one practical paper of 3 hours in each semester.


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SEMESTER-VI: PAPER - XI: PLANT ECOLOGY

Max. Marks: 30
Pass Marks: 35%

Lectures to be delivered: 45
(Each of 45 minutes duration)
Time Allowed: 3 Hours

INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions each from the respective sections of the syllabus and will carry 5 marks each. Section C will consist of 5 short-answer type questions which will cover the entire syllabus uniformly and will carry 10 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt four questions selecting two questions from each section A and B. The entire section C is compulsory.

Section-A

1. Concept of ecology and its scope. Environmental factors: climatic, edaphic, topographic and biotic, Shelford's law of tolerance.
2. Population ecology: Characteristics, positive and negative interaction, growth forms, carrying capacity, ecotypes and ecads.
3. Community ecology: Community characteristics, frequency, density and abundance, cover, life forms, ecological succession (Hydrosere, Xerosere). Gause principle of competitive exclusion.
4. Structure and concept of ecosystem, ecological pyramids, food chain, food web, ecological energetics, ecological productivity.

Section-B

5. Environmental issues: Brief idea of air, water, noise and soil pollution. Global warming and ozone depletion. International efforts for mitigation of global climate change.
6. Biodiversity: Types and conservation, concept of hot spots, biomes, phytogeographic regions of India, vegetation types (Forests, Grasslands, Wetlands).
7. Ecological adaptations in xerophytes, hydrophytes and halophytes.
8. Biogeochemical cycles with particular reference to C, N and P.

RECOMMENDED READINGS

1. Begon, M., Townsend, C.R. & Harper, J.L. 2006. *Ecology: From Individuals to Ecosystems*. (4th Edition) Blackwell Publishers, Australia.
2. Gurevitch, J., Scheiner, S.M. and Fox, G.A. 2006. *The Ecology of Plants* (2nd Edition). Sinauer Associates Inc, Pub. USA.
3. Kormondy, E.J. 1996. *Concepts of Ecology*. Prentice-Hall of India Pvt. Ltd., New Delhi.
4. Mackenzie, A. et al. 1999. *Instant Notes in Ecology*, Viva Books Pvt. Ltd., New Delhi.
5. Mcknney, M.L., Schoch, R.M. & Yonaujak, L. 2007. *Environmental Science: Systems and Solutions* (4th Edition). Jones and Bartl. Pub., USA.
6. Odum, E.P. 1983. *Basic Ecology*, Saunders, Philadelphia.
7. Omasa, K. Saji, H., Youssefian, S. and Kondo, N. 2005. *Air pollution and Plant Biotechnology: Prospects for Phytomonitoring and Phytoremediation*. Springer-Verlog, Tokyo, Japan.

SUGGESTED LABORATORY EXERCISES PERTAINING TO THEORY PAPERS: PLANT ECOLOGY AND PLANT UTILIZATION:

Teachers may select plant/material available in their locality/institution.

1. To determine minimum number of quadrats required for study of a grassland.
2. To study the frequency of herbaceous species in grassland and to compare the frequency distribution with Raunkiaer's Standard Frequency Diagram.
3. To estimate Importance Value Index (IVI) for grassland species on the basis of relative frequency, relative density and relative biomass in protected and grazed grassland.
4. To measure the vegetation cover of a grassland through point frame method.
5. To measure the above ground plant biomass in a grassland.
6. To determine Kemp's constant for dicot and monocot leaves and to estimate the leaf area index of a grassland community.
7. To determine diversity indices (Richness, Simpson, Shannon Wiener) in grazed and protected grassland.
8. To estimate bulk density and porosity of grassland and woodland soil.
9. To determine moisture content and water holding capacity of grassland and woodland soil.
10. To study the vegetation structure through profile diagram.
11. To estimate transparency, pH and temperature of different water bodies.
12. To measure dissolved oxygen content in polluted and unpolluted water samples.
13. To estimate salinity of different water samples.
14. To determine the per cent leaf area injury of different leaf samples collected around polluted sites.
15. To demonstrate dust holding capacity of the leaves of different plant species.
16. Food Plants: Study of the morphology, structure and simple micro chemical tests of the food storing tissues in rice, wheat, maize, potato and sugarcane. Microscopic examination of starch in these plants (excepting sugarcane).
17. Fibres: Study of cotton flower, sectioning of the cotton ovules/developing seeds to trace the origin and development of cotton fibres. Microscopic study of cotton and test for cellulose. Sectioning and staining of jute stem showing the location and development of fibres. Microscopic structure. Tests for ligno-cellulose.
18. Vegetable Oils: study of hand sections of groundnut, mustard and coconut and staining of oil droplets with Sudan III and Sudan Black.
19. Field Visits: To study sources of firewood (10 plants), timber-yielding trees (10 trees) and bamboos. A list to be prepared mentioning special features.
20. Spices: Examine Black pepper, cloves, cinnamon (hand sections) and open fruits of cardamom and describe them briefly.
21. Preparation of an illustrated inventory of 10 medicinal plants and use their in indigenous systems of medicine of allopathy: Write their botanical and common names, parts used and diseases/disorders for which they are prescribed.
22. Beverages: Section of boiled coffee beans and tea leaves to study the characteristic structural features.

SUGGESTED READINGS FOR LABORATORY EXERCISES IN PLANT ECOLOGY AND PLANT UTILIZATION

1. APHA- *Standard Methods for the Examination of Water and Waste Water*. American Public Health Association, Washington, D.C.
2. Krebs, C.J. 1989. *Ecological Methodology*. Harper and Row, New York, USA.

SYLLABUS**B.Sc. Part-I (Semester-I and II) Subject-Zoology**
(Session 2017-18, 2018-19 and 2019-20)**Semester-I**

THEORY		
	External Marks	Internal Assessment
Paper-I : Cell Biology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-II : Biodiversity - I	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
PRACTICAL		
Pertaining to Theory Paper-I and Theory Paper-II:	40	
Total Marks (Semester-I)		
Theory		80 Marks
Practical		40 Marks
Internal Assessment pertaining to Theory Paper I & II		30 Marks
Total	:	150 Marks

Semester-II

THEORY		
	External Marks	Internal Assessment
Paper-I : Biodiversity - II	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-II : Ecology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
PRACTICAL		
Pertaining to Theory Paper-I and Theory Paper-II :	40	
Total Marks (Semester-II)		
Theory		80 Marks
Practical		40 Marks
Internal Assessment pertaining to Theory Paper I & II		30 Marks
Total	:	150 Marks

Note:

- 1) The number of teaching hours per week will be three for each theory paper and three for each practical in every semester. In all, there will be 12 teaching hours per week covering both theory and practical requirements. (Six teaching hours for theory and Six teaching hours for practical per week)
- 2) There will be one Practical paper of 3 hours pertaining to the theory papers I & II in each semester. The timing of practical examination will be 9.00 am to 12.00 noon.

PAPER-II : ECOLOGY

Max. Marks: 55
 Pass marks: 35%
 Theory-40
 Internal Assessment : 15

Time Allowed: 3 hours
 Lectures to be delivered: 45
 (Each of 45 minutes duration)

INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 6 marks each. Section C will consist of 8 short-answer type questions (8 to 10 lines) which will cover the entire syllabus uniformly and will carry 16 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C, which is compulsory.

SECTION-A

II. Ecology

1. Ecology : Subdivisions and scope of ecology.
2. Ecosystem : Components, ecological energetics, food web, introduction to major ecosystems of the world.
3. Ecological factors : Temperature, light and soil as ecological factors.
4. Nutrients : Biogeochemical cycles and concept of limiting factors.
5. Ecological adaptations: Morphological, physiological and behavioural adaptations in animals in different habitats.

SECTION-B

III. Environmental Studies:

- I. Environmental education : Importance of Biodiversity.
- II. Population : Characteristics and regulation of population.
- III. Inter and Intra specific : Competition, predation, parasitism, relationships commensalisms & mutualism.
- IV. Natural resources : Renewable and non-renewable natural resources and their conservations.
- V. Environmental degradation: Causes, impact and control of air, soil, water and noise pollution (in general).

Outlines of Syllabi
for
B. Sc. (Biotechnology) Part – III (Semester – V)
for
2016-17, 2017-18 and 2018-19 Sessions

Paper	Subject	Name of Paper	Marks	No. of Periods/week
I	Chemistry	A – Inorganic Chemistry	External 26 Internal 09	2
		B - Organic Chemistry	External 26 Internal 09	2
		C - Physical Chemistry	External 26 Internal 09	2
		Practical	45	6
II	Environmental Biotechnology	Environmental Biotechnology	External 52 Internal 18	6
		Practical	30	6
		III	Immunology	External 52 Internal 18
IV	Biochemical Engineering	Biochemical Engineering	External 52 Internal 18	6
		Practical	30	6

NOTE:

1. Ordinances for B.Sc. Biotechnology would be common for B.Sc. (Medical/Non-Medical).

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PAPER II
ENVIRONMENTAL BIOTECHNOLOGY

Max. Marks: 52
Pass Marks: 35%

Lectures to be delivered: 75
(Each of 45 minutes duration)
Time Allowed: 3 Hours

INSTRUCTIONS FOR INTERNAL ASSESSMENT

The internal assessment (18 marks) would comprise of 4.0 marks for attendance of candidates, 7.0 marks for assignment and 7.0 marks for internal test. Two tests would be conducted by the concerned teacher during the semester and the average of the two would be considered for internal assessment.

INSTRUCTIONS FOR THE PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective section of syllabus and will carry 8 marks each. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 20 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C.

SECTION - A

1. Introduction: Brief introduction to environment; Indicators of pollution: Physicochemical and Biological
2. Air pollution: Units of measurements, sources of pollutants and hazards.
3. Soil pollution: sources of pollutants and hazards.
4. Water pollution: sources of pollutants and hazards.
5. Waste-water treatment: a) Aerobic: Brief account of activated sludge reactors, aerated ponds and lagoons, trickling filters.
b) Anaerobic waste-water treatment: Outline of biogas production, up-flow anaerobic sludge blanket reactor, anaerobic filter reactor, contact reactor, factors affecting process operation, status of biogas production in India.

SECTION - B

6. Vermicomposting: Vermicomposting process, types of vermicomposting systems, vermicomposting product, waste management by vermicomposting, effect of wastes vermicompost on the growth and yield of plants.
7. Bioremediation: General description of bioremediation and application of biotechnology; Removal/remediation of heavy metals, pesticides and xenobiotics, paper, dye and textile industry effluents.
8. Pollutant monitoring I: Biosensors: Introduction Principle and Applications for the detection of heavy metal ions, pesticides and pathogens.
9. Pollutant monitoring II: Principle, working and applications of GC and HPLC.
10. Pollutant monitoring III: Spectroscopic techniques for monitoring pollutants.

Recommended Readings:

1. *Industrial Water Pollution* (1998) by W. Wistley Elbendelds, Jr, McGraw Hill International, India.
2. *Biotechnology-Application to Environmental Protection* (1993) by M.M. Pandey, Himalaya Publishing House, India.
3. *Commercial Biotechnology-An International Analysis* (1984) by United States, Office of Technology Assessment, DIANE Publishers, USA.
4. *Advances in Industrial Waste Water Treatment* (1999) by P.K. Goel, Technnosience Publications, India.
5. *Environmental Engineering* (1988) by H.S. Peavy and D.R. Rowe, McGraw Hill International, India.
6. *Recent books need to be added*

PRACTICALS

Max Marks: 30

Pass Marks: 35%

List of Practicals

1. Determination of TS, TDS and TSS in an industrial effluent.
2. Determination of BOD of an industrial effluent.
3. Determination of COD of an industrial effluent.
4. Estimation of Cr(VI) content in electroplating industrial effluent by spectrophotometer method.
5. Estimation of Ni(II) content in electroplating industrial effluent by spectrophotometer method.
6. Demonstration of biogas production.
7. Bioremediation of heavy metal ions/pesticides/dye or textile effluent.
8. Demonstration of vermicomposting.

Practical Performance	: 22 Marks
Viva-Voce	: 5 Marks
Practical Record	: 3 Marks



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PAPER-III
ENVIRONMENTAL SOCIOLOGY

Regular/Distance Education M. Marks: 100
3hrs
Pass Marks: 25
Theory 70+Internal 30

Time Allowed:

INSTRUCTIONS FOR THE PAPER-SETTER

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M.A. (SOCIOLOGY) PART-II
For Regular/Distance Education Students
(FOURTH SEMESTER)

Session : 2018-2019 & 2019-2020

Note: Regular/Distance Education Student each paper is of 70 marks and 30 marks of Internal Assessment.

The Break-up of 30 Marks for Internal Assessment (Theory Papers) is as below:

- | | |
|--|----------|
| 1. Test | |
| 12 Marks | |
| 2. Class Attendance | 06 Marks |
| 3. Field Work / Project Work/Assignment/
Seminar etc. | 12 Marks |

TOTAL MARKS	30 Marks
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SEMESTER-IV
PAPER-I

SOCIOLOGICAL AND ANTHROPOLOGICAL
THEORIES-IV

Regular/Distance Education M. Marks: 100

Time Allowed:

3hrs

Pass Marks: 25

Theory 70+Internal 30

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

P.L. 3: ENVIRONMENTAL PSYCHOLOGY

Executive Paper

Maximum Marks: 75

Total Teaching Periods: 60

Credits - 5

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) **Environmental Psychology: Nature and Scope; Psychological benefits of nature Environment and Human Perception** (Brunswik, Gibson, Barker, Brofenbrenner).
- (ii) **Personal Space and Territoriality: Nature and Theories.**
Crowding and Over Population.

SECTION - B

- (i) **Environmental Problems with reference to India: Pollution: Noise, Air and Water (Psychological Causes and Management)**
- (ii) **Psychology and Climate Change, Natural and Technological Disasters.**
Role of Psychologists in environment management and promotion of eco-friendly behaviour

REFERENCES

1. Baum, A., & Singer, J.E. (1980). *Advances in Environmental Psychology: Application of Personal Control* (Vol. II). Hillsdale, NJ: Lawrence Erlbaum Associates.
2. Bechtel, R.B. (1997). *Environment and Behaviour: An Introduction*. Thousand Oaks, CA: Sage Publications.
3. Bonnes, M., & Secchiaroli, G. (1995). *Environmental Psychology- A Psycho-Social Introduction*. London, UK: Sage Publications
4. Churchman, A., & Bechtel, R.B. (2002). *Handbook of Environmental Psychology*. New York, NY: John Wiley and Sons
5. Gifford, R. (1987). *Environmental Psychology, Principles and Practices*. Boston, MA: Allyn & Bacon.
6. Moos, R.H. (1996). *The Human Context: Environmental Determinants of Behaviour*. New York, NY: Wiley.
7. Stokols, D., & Altman, I. (1987). *Handbook of Environmental Psychology* (Vol. 1-2). New York, NY: Wiley.
8. Zube, E.H., & Moore, G.T. (Eds.), (1991). *Advances in Environment, Behaviour and Design* (Vol. 3). New York, NY: Plenum Press.

SYLLABUS
M.A. (PSYCHOLOGY) PART-I
(SEMESTER I & II)
FOR 2017-2018 AND 2018-19 EXAMINATION

SEMESTER - I

		External Assessment	Internal Assessment	Total
Psy. I.1 Core	Systems and Theories of Psychology	75	25	100
Psy. I.2 Core	Experimental Psychology	75	25	100
Psy. I.3 Elective	Physiological Psychology	75	25	100
Psy. I.4 Core	Statistics in Psychology	75	25	100
Psy. I.5 Core	Practicals (Lab. Experiments, Computers)	60+15	25	100

Internal Assessment of 25 marks in each theory Paper.

Break up of marks for Theory Papers is as follows

2 Tests : 10 Marks

Attendance : 5 Marks

Assignment/Project/Seminar : 10 Marks

SEMESTER - II

		External Assessment	Internal Assessment	Total
Psy. II.1 Core	Cognitive Processes	75	25	100
Psy. II.2 Core	Social Psychology	75	25	100
Psy. II.3 Elective	Environmental Psychology	75	25	100
Psy. II.4 Core	Experimental Designs in Psychology	75	25	100
Psy. II.5 Core	Practicals (Field Studies, Cognitive Testing, Computers)	30+30+15	25	100

Internal assessment of 25 marks in each paper.

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Break up of marks for Theory Papers is as follows

2 Tests (Average Marks) : 10 Marks

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- (vi). Environmental controversies 8 Periods
- a. Taj Trapezium controversy
 - b. Ganga Action Plan controversy
 - c. Chilika Lake controversy
- Global Environmental Problems & Strategies
- (vii). Problems 8 Periods
- a. Global warming
 - b. Urban Heat Island
 - c. Acid Rain
 - d. Ozone Depletion
- (viii). Environmental Strategies 8 Periods
- a. Stockholm Conference, 1972
 - b. Vienna Conference, 1985
 - b. Montreal Protocol, 1987
 - d. Rio Summit, 1992
 - f. Kyoto Protocol, 1997
 - e. World Summit on Sustainable Development, Johannesburg, 2002
 - g. Paris Summit, 2015

BOOKS RECOMMENDED

1. Agarwal, A. et. al (2001): *Poles Apart*, Centre for Science and Environment, New Delhi.
2. Cunningham, W.P. and Saigo, B.W. (1995): *Environmental Science*, Wm Brown Publisher, Dubique.
3. De A.K. (2003): *Environmental Chemistry*, New Age International Publishers, New Delhi.
4. Goudie, A. (1993): *The Human Impact*, Oxford Basil Blackwell.
5. Joseph, B. (2006): *Environmental Studies*, Tata McGraw Hill Publishing Company, New Delhi.
6. Mishra, A. (2004): *Environmental Studies*, Selective and Scientific Books, New Delhi.
7. Park, C. (1997): *Environment*, Routledge, London.
8. Raven, R.H.et. al.(1993): *Environment*, Harcourt Brace College Publishers, Florida.
9. SV, S.B. and Seth, B.L. (2010): *Sewage Canal: How to clean the Yamuna*, Centre for Science and Environment, New Delhi.
10. The World Bank (2010): *World Development Report 2010: Development and Climate Change*, The World Bank, Washington.

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P.N.1

Paper - II: HUMAN IMPACT ON ENVIRONMENT: ISSUES & PERSPECTIVES

Max. Marks: 100

Time Allowed: 3 Hours

19

Internal Assessment: 30 Marks
 Periods: 65
 Written Paper: 70 Marks
 Pass Marks: 35%

Total Teaching

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective section of the Syllabus and each question will carry 10 marks. Section C will consist of 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
- (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) Candidates are required to attempt two question each from the sections A and B of the question paper and the entire section C.
- (ii) Candidates are allowed to use outline stencil maps of the world/continents/countries. They are also allowed to use simple calculators.

SECTION-A**Population and Environment**

- (i) Theories of Man/Habitat interaction 8 Periods
- (ii) Population Dynamics and Regulations, Population Characteristics, Population Growth Curves: S-shaped and J-shaped, Density Dependent and Density Independent Factors. 9 Periods

Man's Impact on Water & Atmosphere

- (iii) **Water** 8 Periods
- a. Deliberate modifications of Rivers.
- b. Dams and Environment.
- c. Effects of Deforestation
- d. Water Pollution.
- (iv) **Atmosphere** 8 Periods
- a. Sources of Air Pollution
- b. Effects of Air Pollution on Human Health, Vegetation & Material.
- c. Indoor Air Pollution.
- d. Measures & Controls of Air Pollution.

SECTION-B**Issues & controversies**

- (v) **Social Issues** 8 Periods
- Sustainable Development: Concepts of Sustainable Development, International Cooperation to accelerate Sustainable Development, Strategies to achieve Sustainable Development.



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SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-I
SESSION 2018-19 and 2019-20

Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>				
Paper I. Fundamentals of Geomorphology	5	65	100	3 hrs.
Paper II. Man and Environment	5	65	100	3 hrs.
Paper III. Resource Geography of India	5	90	100	6 hrs.
Paper V. Map Work and Practical Geography (Cartography)				
<u>ELECTIVE PAPERS</u>				
Paper IV:				
Option (i) Geography of Settlements with Special Reference to India	5	65	100	3 hrs.
Option (ii) Economic Geography	5	65	100	3 hrs.

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-II
SESSION 2018-19 and 2019-20

Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>				
Paper I. Remote Sensing and Geographic Information System	5	65	100	3 hrs.
Paper II. Human Impact on Environment: Issues & Perspectives	5	65	100	3 hrs.
Paper III. Geography of Regional Planning	5	90	100	6 hrs.
Paper V. Map Work & Practical Geography (Morphometric Analysis & Air Photo Interpretation).				
<u>ELECTIVE PAPERS</u>				

PAPER - II : MAN AND ENVIRONMENT

Max. Marks: 100
 Internal Assessment: 30 Marks
 Periods: 65
 Written Paper: 70 Marks
 Pass Marks: 35%

Time Allowed: 3 Hours
 Total Teaching

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective section of the Syllabus and each question will carry 10 marks. Section C will consist of 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
- (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) Candidates are required to attempt two questions each from the sections A and B of the question paper and the entire section C.
- (ii) Candidates are allowed to use outline stencil maps of the world continents/countries. They are also allowed to use simple calculators.

SECTION-A**Man and his environment**

- (i) Environment: Meaning of Environment, Approaches to the study of environment, Historical perspective on man & environment relationship. 6 Periods
- (ii) Ecology & Ecosystem: Meaning and concept of ecology, sub-divisions. 5 Periods
- (iii) Ecosystem: Meaning, types of ecosystems, structure and functions of ecosystems. 6 Periods

Energy, Material and Biogeochemical Cycles

- (iv) Energy & Material Cycling in Ecosystem: Food chains and food web, Energyflow in ecosystem by grazing and

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 L.M.

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SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-I
SESSION 2018-19 and 2019-20

Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>				
Paper I. Fundamentals of Geomorphology	5	65	100	3 hrs.
Paper II. Man and Environment	5	65	100	3 hrs.
Paper III. Resource Geography of India	5	90	100	6 hrs.
Paper V. Map Work and Practical Geography (Cartography)				
<u>ELECTIVE PAPERS</u>				
Paper IV:				
Option (i) Geography of Settlements with Special Reference to India	5	65	100	3 hrs.
Option (ii) Economic Geography	5	65	100	3 hrs.

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-II
SESSION 2018-19 and 2019-20

Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>				
Paper I. Remote Sensing and Geographic Information System	5	65	100	3 hrs.
Paper II. Human Impact on Environment: Issues & Perspectives	5	65	100	3 hrs.
Paper III. Geography of Regional Planning	5	90	100	6 hrs.
Paper V. Map Work & Practical Geography (Morphometric Analysis & Air Photo Interpretation).				
<u>ELECTIVE PAPERS</u>				

Paper-II:- Environmental LawUNIT-I

- Meaning, Definition & Kinds of Pollution, Pollution by Fireworks.
- Ecology System.
- Factors Affecting the Environment in India.
- General Legal Provisions relating to Control of Pollution.
- Constitution of India Articles 48A, 50A(g).
- Code of Civil Procedure Code Section 91.
- Code of Criminal Procedure Code Section 133.
- Indian Penal Code Ss. 268, 270, 278, 290.
- Law of Torts and Judicial Remedies.
- Environment Protection Act, 1986.
- Salient Features of National Green Tribunals Act, 2010.
- Salient Features of Sustainable Development.
- Role of Judiciary in India for the protection of Environment.
- Principles of Stockholm Declaration on the Human Environment 1972.
- Principles under the Rio Declaration on Environment & Development 1992.

UNIT-II

- The Water (Prevention and Control of Pollution) Act, 1974.
- The Air (Prevention and Control of Pollution) Act, 1981.
- The Punjab Juvenile Smoking Act, 1918.
- The Cigarettes (Regulation of Production, Supply and Distribution) Act, 1975.

Noise Pollution and Law.

- Meaning, Concept and Effects of Noise Pollution
- Legislative measures to Control Noise Pollution
- Noise Pollution and Constitution Provisions

Aulson

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- Constitution of National Board and Functions of National Board
- Constitution of State Board and Functions of State Board
- Prevention and Detection of Offences
- Penalties

SYLLABUS
BACHELOR OF LAWS PART-III
(5YEAR COURSE) (FIFTH AND SIXTH SEMESTERS)
FOR 2016-17, 2017-18 AND 2018-19 SESSIONS
SCHEME OF STUDIES

FIFTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Legal History	74	26	100
II	Environment Law	74	26	100
III	Law of Property	74	26	100
IV	Labour and Industrial Law-I	74	26	100
V	Administrative Law	74	26	100
	Total	370	130	500

SIXTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Jurisprudence	74	26	100
II	Law of Taxation	74	26	100
III	Company Law	74	26	100
IV	Labour and Industrial Law-II	74	26	100
V	Option: Any one of the following: (a) International Organisations (b) Gender Justice (c) Media and Law	74	26	100
	Total	370	130	500

Environmental activism:

Legislation

NGOs: types and functions

Media: types and functions

Environmental Movements:

Development, Nature and types

The Chipko movement: a detailed study of its significance

RECOMMENDED READINGS

1. Agarwal, A. and Narain 1985 : *State of India's Environment: The Second Citizen's Report 1984-85*, New Delhi: Centre for Science and Environment.
2. Alvarez, C. 1992 : *Science, Development and Violence*, Delhi: Oxford University Press.
3. Dreyer, Oleg 1989 : *Ecological Problems of Developing Countries*, Delhi: Ajanta.
4. Gadgil, M. and Guha, R. 1996 : *Ecology and Equity: The Use and Abuse of Nature in Contemporary India*, Delhi: Viking Penguin.
5. Guha, R. 1988 : Ideological Trends in Indian Environmentalism, *Economic and Political Weekly*, Vol. 13, pp. 2578-81.
6. Hanningan, J. A. 1995 : *Environmental Sociology*, London: Routledge.
7. Harvey, B. and Hallett, J. D. 1977 : *Environment and Society: An Introductory Analysis*, London: Macmillan.
8. Iyer, K. G. (ed) 1977 : *Sustainable Development: Ecological and Socio-cultural Dimensions*, New Delhi: Vikas.
9. King, Leslie and Deborah Mearthy 2009: *Environmental Sociology : From analysis to action* : Rowman & Littlefield Publishers, INC.
10. Mehta, M. D. and E. Quellit (eds.) 1995 : *Environmental Sociology: Theory and Practice*, North York : Catpus Press.
11. Rangarajan, M. 1996 : The Politics of Ecology, *Economic and Political Weekly*, Vol. 31, pp. 2376-91.
12. Redclift, M. R. and 1994 : *Social Theory and Global*

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B.

All questions in Section C are compulsory.

	Section-A
Environmental sociology	Nature: main features Scope: the main topics and areas of ES Emergence: phases of development
Basic concepts:	Environment: a discussion of various concepts and functions of environment Ecology and eco-system: History of concept, reasons for popularity.
Theoretical perspectives:	Human Exemptionalist Paradigm (HEP): main features of HEP, Marxist and Durkhiemian perspectives New Ecological Paradigm (NEP):
New perspectives:	Radical ecology: Main features. Deep ecology. Eco-feminism: Main features.
	-6-
	Section -B
Ecological Crisis:	Nature: Extent and Types.
Major issues : resource controversies	Population: New Malthusian and ultimate debate GMOs, benefits and



2019-2020

1.3.1 List of Courses relevant to Professional Ethics, Gender, Sensitization, Human Values and Environment Sustainability. Session 2019-20

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		Msc Geography sem-1	Man and Environmental	89-90
		Msc Geography sem-2	Human Impact on Environmental: issues and Perspectives	91-93
		MA Psychology sem-2	Environmental Psychology	94-95
		MA Sociology sem-3	Environmental Sociology	96-100

BCH-604
CORPORATE GOVERNANCE & SOCIAL RESPONSIBILITY OF
BUSINESS

Time Allowed: 3 Hrs.
Period per week : 6
Assessment: 70
Pass percentage: 35%
Assessment: 30

Max. Marks: 100
External
Internal

Instructions for Paper-Setters/Examiners

The question paper covering the entire course shall be divided into three sections as follows:

SECTION-A

It will consist of essay type questions. Four questions shall be set by the examiner from Unit-I of the syllabus and the candidate shall be required to attempt two. Each question shall carry 10 marks; total weight of the section shall be 20 marks.

SECTION-B

It will consist of essay type questions. Four questions shall be set by the examiner from Unit-II of the syllabus and the candidate shall be required to attempt two. Each question shall carry 10 marks; total weight of the section shall be 20 marks.

SECTION-C

It will consist of 12 very short answer questions from entire syllabus. Students are required to attempt 10 questions up to five lines in length. Each question shall carry 3 marks; total weight of the section shall be 30 marks

UNIT-I

Corporate Governance: concept, meaning, scope and need of Corporate Governance, Corporate Governance mechanism, Corporate Governance and stakeholders: obligation to investors, obligation to employees, obligation to customers, managerial obligation, obligation to government. Features of good governance, Role played by regulators to improve corporate governance, Business Ethics vis-a-vis Corporate Governance; corporate and board management: types of directors:

20

Promoter, nominee, Shareholder, Independent Board Committees: Audit Committee, Remuneration Committee, Shareholders' grievance committee, other committees.

UNIT-II

Global Perspective of Corporate Governance: Cadbury Committee, Greenburg Committee, OECD Principles of Corporate Governance. Corporate Governance in India: Kumar Mangalam Birla Committee on corporate Governance, Narayan Murthy Committee, Companies (Appointment of Small Shareholders' Director) Rules (2001), Clause 49 of listing agreement. E Governance: Meaning, scope and importance. Corporate Social Responsibility: Meaning, evolution of CSR. Relation between CSR and Corporate governance; environmental aspects of CSR; models of CSR in India, drivers of CSR; CSR-Legislation in India: Section 135 of Companies Act 2013.

SUGGESTED READINGS:

1. Sharma, J. P., Corporate Governance, Business Ethics & CSR, Ane Books Pvt. Ltd., New Delhi.
2. Sharma, J. P., Corporate Governance and Social Responsibility of Business, Ane Books Pvt. Ltd., New Delhi.

(2017-18, 2018-19 & 2019-20)

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B.Sc. (Hons.) Biotechnology Part II

CHOICE BASED CREDIT SYSTEM

Academic Session 2019-2020, 2020-21 & 2021-22

Subject and Distribution of Marks

B.Sc. (Hons.) Biotechnology part II (4th Semester)Principal
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SEMESTER IV

Paper No and code	Name of paper	Credit per Week	Internal Marks*	External Marks	Total Marks
C8-BHB17	Molecular Biology	4	26	74	100
C9-BHB18	Immunology	4	26	74	100
C10-BHB19	Chemistry-4/Spectroscopic Techniques-II	4	26	74	100
SEC-2 BHB 20	Industrial Fermentations.	4	26	74	100
GES- BHB 21	IPR, Entrepreneurship, Bioethics & Biosafety/Entrepreneurship development	4	26	74	100
AECC-5-BHB 22	Environmental & Road Safety Awareness (Qualifying/ as per university rules) (Shift into 3 rd Semester)	2 lectures per week	30	70	100**
LC-12 (C8-BHB17)	Practical Pertaining to (C8-BHB17)	2	---	50	50
LC-13 (C9-BHB18)	Practical Pertaining to Theory Paper (C9-BHB18)	2	---	50	50
LC-14(C10-BHB 19)	Practical Pertaining to Theory Paper (C10-BHB19)	2	-	50	50
LC-15 (SEC-2 BHB 20)	Practical Pertaining to Theory (SEC-2 BHB 20)	2	---	50	50
LC-16 (GES BHB 21)	Practical Pertaining to Theory GES BHB 21	2	-	50	50
Total		30	130	620	750

Note: *Weight age of different components in internal assessment is as: Attendance: 20%; written assignment/project, work/Seminar/Industrial visit: 40%; two- mid semester Tests/Internal Examination- 40%

**marks are not to be included in total marks of semester.

[Signature]
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GE-5 - IPR, ENTREPRENEURSHIP BIOETHICS & BIOSAFETY-CODE: BHB 21

Time Allowed: 3hrs; . MM: 74; Pass Percentage: 40 %

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OBJECTIVES:

- This subject will introduce basic concepts of ethics and safety that are essential for different disciplines of science and procedures involved and protection of intellectual property and related rights.
- Students will understand balanced integration of scientific and social knowledge in sustainable development.

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and carry 11 marks each. Section C will consist of 15 short answer type questions which will cover the entire syllabus uniformly and will carry 30 marks in all.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B of the question paper and the entire section C.

SECTION-A

UNIT-I

(15 Periods)

Introduction to Indian Patent Law. World Trade Organization and its related intellectual property provisions. Intellectual/Industrial property and its legal protection in research, design and development. Patenting in Biotechnology, economic, ethical and depository considerations.

UNIT II

(20 Periods)

Entrepreneurship: Selection of a product, line, design and development processes, economics on material and energy requirement, stock the product and release the same for making etc. The basic regulations of excise: Demand for a given product, feasibility of its production under given constraints of raw material, energy input, financial situations export potential etc.

SECTION-B

UNIT III

(10 Periods)

Bioethics - Necessity of Bioethics, different paradigms of Bioethics - National & International. Ethical issues against the molecular technologies.

UNIT IV

(15 Periods)

Biosafety- Introduction to biosafety and health hazards concerning biotechnology. Introduction to the concept of containment level and Good Laboratory Practices (GLP) and Good Manufacturing Practices (GMP).

[Signature]

SUGGESTED READINGS

1. Entrepreneurship: New Venture Creation: David H. Holt
2. Patterns of Entrepreneurship: Jack M. Kaplan
3. Entrepreneurship and Small Business Management: C.B. Gupta, S.S. Khanka, Sultan Chand & Sons.
4. Sateesh MK (2010) Bioethics and Biosafety, I. K. International Pvt Ltd.
5. Sree Krishna V (2007) Bioethics and Biosafety in Biotechnology, New age international publishers

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SYLLABUS

BACHELOR OF LAWS PART-IV (SEVENTH & EIGHTH SEMESTER)

(FIVE YEARS COURSE)

FOR 2017-18, 2018-19 & 2019-20 SESSIONS

SCHEME OF STUDIES

SEVENTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Law of Evidence	74	26	100
Paper-II	Land Laws including Tenure & Tenancy System	74	26	100
Paper-III	Law of Crimes - I (Penal Code)	74	26	100
Paper-IV	Moot Court Participation and Seminar-I	-	-	100*
Paper: V	Any one of the following : a) Law Relating to Information Technology and Right to Information b) Banking Law c) Health Law	74	26	100
	Total	296	104	500

EIGHTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Drafting, Pleading and Conveyancing	74	26	100
Paper-II	Professional Ethics and Professional Accounting System	74	26	100
Paper-III	Law of Crimes-II (Criminal Procedure)	74	26	100
Paper-IV	Moot Court Participation and Seminar-II	-	-	100*
Paper: V	Any one of the following : (a) Insurance Law (b) Financial Marketing Regulation (c) Law on Education (d) AVIATION LAW & AIR TRANSPORT MANAGEMENT	74	26	100
	Total	296	104	500

- * For Paper- IV : Moot Court Participation and Seminar-I & Moot Court Participation and Seminar-II are of 100 marks i.e.
Moot Courts (Every Student will give presentation at two moot courts with 30 marks each) = 60 marks
Court Visit = 20 marks
Seminar = 20 marks

Paper - II : Professional Ethics and Professional Accounting System

Unit-I

Historical Introduction to Legal Profession in India : Development of Legal Profession in India
Privileges and Rights of Legal Profession, Importance, Distinction from other Professions and Business.

Admission and Enrolment of Advocates, Privileges and Rights to practice of Advocate
Composition of State Bar Council and its Powers and Functions. Constitution of Disciplinary Committee, Powers, Receipt of Complaint, Disposal and Punishment.
Bar Council of India : Composition, Functions and Powers of Bar Council of India
Conducts of Advocates : Meaning and Scope of Professional and Other Misconducts
Constitution and powers of Disciplinary Committee
Punishment of Advocate for misconduct
Disciplinary powers of Bar Council of India
Disposal of disciplinary proceedings
Powers of Review, Revision and Appeal
Right to Appeal to the Supreme Court

Unit-II

Professional Ethics of Lawyers

Duties of Advocates, Duty to Public and State
Duties towards Courts
Duties towards Clients
Duties to render Legal Aid
Duties towards Opponent, Colleagues and other Residual Duties
Conflicts between interest and duty
Bench-Bar Relationship and Lawyers' Strike
The Contempt of Courts Act, 1971 : Meaning of Contempt, Categories of Contempt, Constitutional Validity of the *Contempt of Courts Act, 1971*
Constitutional Provisions Regarding Powers of the Supreme Court and the High Courts
Houses of Parliament of State Legislatures for Punishing for their Contents
Nature, Scope and Salient features of the Legal Service Authorities Act, 1987.

Suggested Readings

A.N. Chaturvedi : Pleading and Conveyancing with Advocacy and Professional Ethics
Bare Act of Advocates Act, 1961 & Bar Council of India Rules
14th Law Commission of India
Dr. Ravi Karan Singh : Dispensation of Justice - Role and Accountability of Judges and Advocates, Deep & Deep, 2004.

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M.A. (PSYCHOLOGY) PART-II
(SEMESTER III & IV)
SESSIONS:- 2018-2019 AND 2019-2020

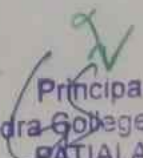
Note: Papers 1, 2, and 5 are compulsory. Students will select any one optional paper from papers - 3 and 4

Semester - III

		External Assessment	Internal Assessment	Total
Psy.III. Core	1. Personality Theories	75	25	100
Psy. III. Core	2. Psychometrics	75	25	100
Psy. III. Elective	3 : Any one of the following options -100 each			
	Opt. (i) : Intelligence and Creativity	75	25	100
	Opt. (ii) : Life Span Development	75	25	100
	Opt.(iii) : Military Psychology	75	25	100
	Opt.(iv) : Positive Psychology	75	25	100
Psy. III. Core	4 : Any one of the following options -100 each			
	Opt.(i) : Organizational Behaviour	75	25	100
	Opt.(ii) : Psychopathology	75	25	100
	Opt.(iii) : Cross Cultural Psychology	75	25	100
	Opt.(iv) : Criminal Psychology	75	25	100
Psy. III. Core	5. Practicals (Personality and Ability Testing and Computers)	30+30+15	25	100

Semester - IV

		External Assessment	Internal Assessment	Total
Psy.IV.	1. Personality Assessment	75	25	100
	Core			
Psy.IV.	2. Research Methodology	75	25	100
	Core			
Psy.IV.	3 : Any one of the following options-100 each			
	Core			
	Opt. (i) : Motivation and Emotion	75	25	100
	Opt. (ii) : Counselling Psychology	75	25	100
	Opt.(iii) : Health Psychology	75	25	100
	Opt.(iv) : Psychology of Sports	75	25	100
Psy.IV.	4: Any one of the following options-100 each			
	Elective			
	Opt.(i) : Psychological Issues in Human Resource Development	75	25	100
	Opt.(ii) : Clinical Psychology	75	25	100
	Opt.(iii) : Forensic Psychology	75	25	100
	Opt.(iv) : Cyber Psychology	75	25	100
Psy.IV.	5. Practicals (Personality and Ability Testing and Computers)	30+30+15	25	100
	Core			


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Semester - IV

Psy. IV. 1. PERSONALITY ASSESSMENT

Max. Marks : 75

Total Teaching Periods : 60

Minimum Marks : 35%

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections: A,B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from the sections A and B and the entire section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines. Each short answer type question will carry 3 marks.

SECTION - A

(i) **Personality Assessment** : Foundations: Reliability, Validity & Standardization of psychological tests

Theoretical Assumptions of different assessment methods. Clinical versus Statistical Prediction

(ii) **Psychometric Tests** : MMPI, CPI, EPQ-R, Cattell's 16 PF, NEO PI-R

Section - B

(i) **Projective Tests** : Rorschach Inkblot technique, TAT, Word Association Test, Sentence Completion Test

(ii) **Testing of Cultural and Linguistic Minorities**

Ethical Issues in Personality Testing

REFERENCES

- Anastasi, A. and Urbina, S. (2004). Psychological Testing. Singapore : Pearson Education.
- Corsini, R.J. and Morselia, R.J. (1983). Personality Theories : Research and Assessment. Illinois : Peacock.
- Kline, P. (1983). Personality : Measurement and Theory. New York : St. Martians Press.
- Aiken, L.R. (1989). Assessment of Personality. Boston : Allyn and Bacon.
- Goldstein, G. and Herson, M. (Ed.) Handbook of Psychological Assessment. New York : Pergamon.
- Gregory, R. (2004). Psychological Testing: History, Principles and Application. New Delhi: Pearson Education.

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Psy. IV. 3. : Opt. (i) **COUNSELLING PSYCHOLOGY (SEM -4)**

Max. Marks : 75

Minimum Marks : 35%

Total Teaching Periods : 60

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections: A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from the sections A and B and the entire section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines. Each short answer type question will carry 3 marks.

SECTION - A

- (i) Nature, History and Principles of Counselling. Training of Counsellor, **Ethical Issues in Counselling**
- (ii) **Approaches to Counselling** : Psychoanalytic, Behavioural, Cognitive, Humanistic

SECTION - B

- (i) **Counselling Process** : Effective Counselling Relationship, Stages, **Counselling Skills**
Counseee Appraisal : Use of Testing and Non-Testing Techniques.
- (ii) **Counselling Applications** : School Counselling, Family Counselling,
Counselling for Child Abuse, Drug Abuse,
Counselling for HIV/AIDS

REFERENCES

- George, R.L. and Christiani, T.S. (1990). Counselling - Theory and Practice Englewood Cliffs, N.J. : Prentice Hall.
- Gladding, S.T. (1996). Counselling, Comprehensive Approach. Englewood Cliffs, N.J. : Prentice Hall.
- Patterson, L.E. & Welfel, L.E.R. (2000). The Counselling Process. C.A. : Brooks/Cole.
- Corey, G. (1996). Theory and Practice of Counselling and Psychotherapy CA : Brooks/Cole.
- Nelson-Jones, R. (1995). The Theory and Practice of Counselling. London : Cassel.
- Shertzer, B. & Stone, S.C. (1974). Fundamentals of Counselling. Palto Alto : Houghton Mifflin Company.
- Nystul, M. S. (2003). Introduction to counseling An Art and Science Perspective

SYLLABUS

M.A. (PUBLIC ADMINISTRATION) PART-II
(SEMESTER III & IV)
(2018-2019 & 2019-20 SESSIONS)
For Regular/Distance Education/Private Students

PAPER II : EMERGING AREAS IN INDIAN ADMINISTRATION

For Regular students Six *Periods per week per paper to be delivered.*

For Regular/Distance Education Students	For Private Students
Maximum Marks : 100	Maximum Marks: 100
Theory: : 75	
Internal Assessment: 25	

Time allowed: 3 hours
Pass marks : 35%
Total Teaching Periods: 75

INSTRUCTIONS FOR THE PAPER-SETTER


(For Regular and Distance Education Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

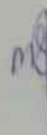
(For Private Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 16 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from Sections A and B of the question paper and the entire Section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines

Section A

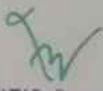

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1. Good Governance: Origin, Basic Elements of Good Governance, Challenges to Good Governance in India.
2. Citizen Centric Administration: Evolution, Features and Significance of Citizen's Charters.
3. Need for Police Reforms in India, The Supreme Court Directive of 2006 and its impact.
4. Police-Public Interface.
5. Ethics and Values in Public Service and in Public Administration. Code of Conduct.

Section B

6. Ethics in Governance; Criminalization of Politics and administration.
7. Qualities of a good administrator. Are they sufficient in present scenario.
8. Nature and Types of disasters.
9. Disaster Management: The Disaster Management Act, 2005
10. Organization and Functions of National Disaster Management Authority


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SYLLABUS
BACHELOR OF LAWS PART-III
(5YEAR COURSE) (FIFTH AND SIXTH SEMESTERS)
FOR 2019-20, 2020-21 AND 2021-22 SESSIONS
SCHEME OF STUDIES

FIFTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Legal History	74	26	100
II	Environment Law	74	26	100
III	Law of Property	74	26	100
IV	Labour and Industrial Law-I	74	26	100
V	Administrative Law	74	26	100
	Total	370	130	500

SIXTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Jurisprudence	74	26	100
II	Law of Taxation	74	26	100
III	Company Law	74	26	100
IV	Labour and Industrial Law-II	74	26	100
V	Option: Any one of the following: (a) International Organisations (b) Gender Justice (c) Media and Law	74	26	100
	Total	370	130	500

Option Paper-(b) Gender Justice

UNIT-I

Concept of Gender- Biological Distinction

- Constitutional Safeguards and Role of Judiciary.
- Convention on Elimination of All Forms of Discrimination Against Women.
- Protection of women from Domestic Violence

Gender Justice and Personal Laws

- Adoption and Guardianship Rights.
- Property and Inheritance Rights.
- Rights of Maintenance.
- Uniform Civil Code towards Gender Justice.

UNIT-II

Gender Related Crimes

- Child marriage
- Prostitution and Trafficking
- Female feticide
- Sexual harassment of Women.

Gender Justice Issues

- Women and Work
- Women and Health
- Women and Education

M.A. (SOCIOLOGY) PART-II
For Regular/Distance Education Students
(FOURTH SEMESTER)
 Session : 2018-2019 & 2019-2020

Note: Regular/Distance Education Student each paper is of 70 marks and 30 marks of Internal Assessment.

The Break-up of 30 Marks for Internal Assessment (Theory Papers) is as below:

- | | |
|--|----------|
| 1. Test | |
| 12 Marks | |
| 2. Class Attendance | 06 Marks |
| 3. Field Work / Project Work/Assignment/
Seminar etc. | 12 Marks |

TOTAL MARKS	30 Marks
--------------------	-----------------

SEMESTER-IV
PAPER-I

**SOCIOLOGICAL AND ANTHROPOLOGICAL
 THEORIES-IV**

Regular/Distance Education M. Marks: 100
 3hrs

Time Allowed:

Pass Marks: 25
 Theory 70+Internal 30

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

PAPER-III
GENDER AND SOCIETY

Regular/Distance Education M. Marks: 100
3hrs
Pass Marks: 25
Theory 70+Internal 30

Time Allowed:

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks.

Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B.

All questions in Section C are compulsory.

SECTION-A

- (i) Basic Concepts : Sex, gender, patriarchy, matriarchy, masculinity, femininity, gender identity. Sex Ratio and its Social Implications.
- (ii) Theories of Feminism : Liberal, radical, marxist, socialist and Post-modernist
- (iii) Women's movement in the West.
- (iv) Women's movement in India.

SECTION-B

- (i) Women and Family : (a) Role of women.
 - (i) Biological perspective.
 - (ii) Cultural perspective.(b) Social construction of gender.
- (ii) Women and Work : (a) Invisibility of women's work.
 - (b) Role of women in economy.
- (iii) Position of Women in : A historical perspective.
Indian Society.
- (iv) Emerging Issues : (a) Women in politics.
(b) Violence against women.

THIS PAGE CONCERNED ONLY CAMPUS STUDENTS
M.A. (PSYCHOLOGY) PART-I
(SEMESTER I & II)
SESSION 2019-20& 2020-21

Semester-I	Paper Title	Lecture	Tutorial	Practical	Seminar	Total Credit
Psy. 1.1 Core	Systems and Theories of Psychology	5	---	---	---	5
Psy. 1.2 Core	Experimental Psychology	5	---	---	---	5
Psy. 1.3 Elective	Physiological Psychology	5	---	---	---	5
Psy. 1.4 Core	Statistics in Psychology	5	---	---	---	5
Psy. 1.5 Core	Practicals (Lab. Experiments, Computers)	10	---	5	---	5
Semester-II						
Psy. 11.1 Core	Cognitive Psychology	5	---	---	---	5
Psy. 11.2 Core	Social Psychology	5	---	---	---	5
Psy. 11.3 Elective	Environmental Psychology	5	---	---	---	5
Psy. 11.4 Core	Experimental Designs in Psychology	5	---	---	---	5
Psy. 11.5 Core	Practicals (Field Studies, Cognitive Testing, Computers)	10	---	5	---	5

OPEN ELECTIVE SUBJECT:- GENERAL PSYCHOLOGY

(QUALIFYING PAPER FOR OTHER STUDENTS)

THE SUBJECTS WHICH THE STUDENTS CAN OPT FROM MOOC WILL BE NOTIFIED BY THE DEPARTMENT SEMESTER WISE TIME TO TIME.

Sem-II

Psy. II.2: SOCIAL PSYCHOLOGY

Core Paper

Maximum Marks: 75

Total Teaching Periods: 60

Credits - 5

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) **Social Psychology:** Research Methods (Observation, Survey, Laboratory & Field Experimentation), Ethics in Experimentation & Current Trends.
Theories of Social Psychology: Social Consistency (Cognitive Dissonance Theory, Balance Theory), Social Exchange Theory, Attribution Theory (Kelley, Jones & Davis, Weiner).
- (ii) **Applied Social Psychology:** Health, Law and Organization

SECTION - B

- (i) **Social Influence Processes:**
Altruism: Theoretical Perspectives & Current Trends.
Interpersonal Attraction: Theoretical Perspectives & Current Trends.
- (ii) **Groups:** Types, Group Cohesion.
Group Behaviour: Conformity, Observation & Compliance.
Group Processes: Social Facilitation, Social Loafing

REFERENCES

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1. Baron, R.A., & Byrne, D. (2000). *Social Psychology (9th Ed.)*. New Delhi: Prentice Hall of India Pvt. Ltd.
2. Bickmen, L., & Rog, D.L. (1997). *Handbook of Applied Social Research*. Thousand Oaks: Sage
3. Burke, P.J. (2006). *Contemporary Social Psychological Theories*. Stanford Social Sciences.
4. Crisp & Thner (2007). *Essential Social Psy*. London: Sage Publications Ltd.
5. Dalal, A.K., & Misra, G.(2002). *New Directions in Indian Psychology, Vol. I: Social Psychology*. New Delhi: SAGE.
6. Daniel, P. & Cozby, P.C.(1983). *Social Psychology*, New York: CBS. College Publishing Hot, Rinehart and Winston.
7. Feldman, R.S. (1995). *Social Psychology*. New Jersey: Prentice Hall.
8. Fisher, R.J. (1982). *Social Psychology-An Applied Approach*. New York: St. Martin's Press.
9. Gergen, K.J., & Gergen, M.M. (1981). *Social Psychology*. USA: Library of Congress.
10. Lindzey, L. & Aronson, E.(1975). *The Handbook of Social Psychology (2nd Edn.)*, Vol. II, II & IV, New Delhi: Amerind Publishing co. Pvt. Ltd., New Delhi.
11. Mathur, S.S. (2004/05). *Social Psychology*, Agra: Vinod Pustak Mandir.
12. Misra, G. (1990). *Applied Social Psychology in India*. New Delhi: SAGE.
13. ... (2006). *Social Psychology (8th Edn.)*: Tata McGraw Hill International Editions.

SYLLABUS(FOR REGULAR AND DISTANCE EDUCATION CANDIDATES ONLY)

M.A. II (ENGLISH)

SEMESTER III & IV

SESSIONS 2019-2020

To Be Continued for 2020-21 Sessions

SEMESTER III

Core Course-IX	Literature and Modernity	Max. Marks: 100 Written Examination: 75 Marks Internal Assessment: 25 Marks Pass Marks: 35%
Core Course-X	Twentieth Century Poetry and Fiction	-do-
Core Course-XI	Literature and Gender	-do-
Elective Course-XII	One of the Following Options : (i) Literature and Post coloniality (ii) Creative Writing (iii) Modern Indian Literature in Translation	-do-

SEMESTER IV

Core Course-XIII	Literary and Cultural Theory	Max. Marks: 100 Written Examination: 75 Marks Internal Assessment: 25 Marks Pass Marks: 35%
Core Course-XIV	Indian Writing in English	-do-
Core Course-XV	American Literature	-do-
Elective Course-XVI	One the following options: (i) Literature and Politics (ii) Language and Linguistics (iii) European Drama	-do-

**CORE COURSE - XI
LITERATURE AND GENDER**

Time: 3 hours

Max. Marks: 100
Written Examination: 75 Marks
Internal Assessment: 25 Marks
Pass Marks: 35%

INSTRUCTIONS FOR THE PAPER-SETTER

UNIT-I shall have two questions with internal alternative from the prescribed texts. These questions shall carry 12+11=23 marks.

UNIT-II shall have three questions, one from each prescribed text. The candidate shall attempt any two. These questions shall carry 11+11=22 marks

UNIT-III shall cover the entire syllabus and shall be of 30 marks. This question shall comprise ten short-answer questions of about 100-120 words each - two on each prescribed text and the remaining two on history/movement(s)/genre(s)/concepts pertaining to the course. Each question shall carry 3 marks.

UNIT-I

Jean Rhys - *Wide Sargasso Sea*
Shashi Deshpande - *That Long Silence*

UNIT-II

Simone de Beauvoir - *The Second Sex: Introduction and Book I - Part III*
Virginia Woolf - *A Room of One's Own*
'Feminisms' - an essay by Fiona Tolan from *An Oxford Guide to Literary Theory and Criticism* edited by Patricia Waugh

UNIT-III

UNIT-III shall include Units I & II and the history/movement(s)/genre(s)/concepts pertaining to the course. It shall comprise short-answer questions.

RECOMMENDED READING

Freidan, Betty	:	The Feminine Mystique
Susan Griffin	:	Woman and Nature: The Roaring Inside Her
Freedman, Jane	:	Feminism
Lola Chatterjee ed.	:	Woman Image Text
Adrienne Rich	:	Of Woman Born
Maggie Humm:	:	Feminist Criticism
Judith Evans	:	Feminist Theory Today
Maggie Fuller	:	Woman in the Nineteenth Century
Sandra Gilbert and Susan Gubar	:	Mad Woman in the Attic
Jasbir Jain, ed.	:	Women's Writing
Iqbal Kaur, ed.	:	Kate Chopin's The Awakening: Critical Essays.
Landry, Donna	:	The Spivak Reader
Roseann, P. Bell	:	Study Blacke Bridges
Nan Baian Maglin	:	The Literature of Matrilineage
Hari Prasanna	:	Image of Woman in Shashi Deshpande's Fiction: A Study

Simone de Beauvoir

- Evans, Ruth. *Simone de Beauvoir's The Second Sex: New Interdisciplinary Essays*. Manchester University Press, 1998.
- Fallaize, Elizabeth. *Simone de Beauvoir: A Critical Reader*. Psychology Press, 1998.
- Simons, Margaret A. *Beauvoir and The Second Sex: Feminism, Race, and the Origins of Existentialism*. Rowman & Littlefield Publishers, 2001.
- . *Feminist Interpretations of Simone de Beauvoir*. Penn State Press, 2010.
- Scarth, Fredrika. *The Other Within: Ethics, Politics, and the Body in Simone de Beauvoir*. Rowman & Littlefield, 2004.
- Briggs, Julia. *Reading Virginia Woolf*. Edinburgh University Press, 2006.
- Goldman, Jane. *The Cambridge Introduction to Virginia Woolf*. Cambridge University Press, 2006.

DiBattista, Maria. *Imagining Virginia Woolf: An Experiment in Critical Biography*. Princeton University Press, 2009.

Bryony Randall, Jane Goldman. *Virginia Woolf in Context*. Cambridge University Press, 2012.

Virginia Woolf


- Briggs, Julia. *Reading Virginia Woolf*. Edinburgh University Press, 2006.
- Goldman, Jane. *The Cambridge Introduction to Virginia Woolf*. Cambridge University Press, 2006.
- DiBattista, Maria. *Imagining Virginia Woolf: An Experiment in Critical Biography*. Princeton University Press, 2009.
- Bryony Randall, Jane Goldman. *Virginia Woolf in Context*. Cambridge University Press, 2012.
- Rosenman, Ellen Bayuk. *A Room of One's Own: Women Writers and the Politics of Creativity*. Twayne Publishers, 1995.

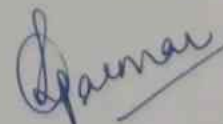
Jean Rhys

- Carl Plasa. *Jean Rhys: Wide Sargasso Sea*. Palgrave Macmillan, 2003.
- Elaine Savory. *Jean Rhys*. Cambridge University Press, 1998.
- Veronica Marie Gregg. *Jean Rhys's historical imagination: reading and writing the Creole*. University of North Carolina Press, 1995.
- Pierrette M. Frickey. *Critical Perspectives on Jean Rhys*. Lynne Rienner Publishers, 1990.

Shashi Deshpande

- | | | |
|------------------|---|--|
| Atrey, Mukta and | : | Shashi Deshpande: A Feminist Study of Her Fiction |
| Kirpal Viney | : | Indian Women Novelists |
| Dhawan, R.K. | : | The Fiction of Shashi Deshpande |
| Pathak, R.S. | : | Indian Women Novelists and Psychoanalysis |
| Rajeshwar, M. | : | Patterns of Feminist Consciousness in Indian Women Writers |
| Roy, Anuradha | : | |


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Semester System

Session 2019-20 & 2020-21

Note: Complete M.A (Sociology) Course carries 80 Credits and each paper carries 5 credits (4 Lecture +1Tutorial)

(This Scheme is for University Regular Students only)

Semester- I

Core Papers

Credits

Paper-1 General Sociology 5(4L+1T)

Paper-2 Sociological and Anthropological Theory-I
5(4L+1T)

Paper-3 Indian Society 5(4L+1T)

Elective Paper:-

Paper-4 Methodology and Social Research-I
5(4L+1T)

Semester- II

Core Papers

Credits

Paper-1 Sociological and Anthropological Theory-II

5(4L+1T)

Paper-2 Social Change and Social Problems in Indian

5(4L+1T)

Paper-3 Prospective on Indian Society 5(4L+1T)

Elective Paper

Paper-4 Methodology and Social Research-II 5(4L+1T)

Important: Availability of number of seats in an elective course is subject to the space and faculty constraints of the host department.

Open Elective Subject: INTRODUCTORY SOCIOLOGY
(Qualifying Paper for other students in IInd Semester)

The subjects which the students can opt from MOOCS will be notified by the department semester wise time to time.

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PAPER-II
SOCIAL CHANGE AND SOCIAL PROBLEMS IN INDIA
[Subject Code: SOC1206T]

Regular/Distance Education M. Marks: 100
 Pass Marks: 25
 Theory 70+Internal 30

Time Allowed: 3hrs

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10% marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B. Section C is compulsory.

SECTION-A

- | | | |
|------|-----------------------------|---|
| (i) | Processes of Social Change: | Sanskritization, Westernization, Modernization. |
| (ii) | Factors Social Change: | Industrialization, Urbanization, Globalization and Education |
| (i) | Social movements: | Definition, Nature, Characteristics and Types. |
| (ii) | Social Movements in India: | Peasant, Women's, Backward Classes, Dalit, Ethnic and Tribal. |

SECTION-B

- | | | |
|-------|---|--|
| (i) | Social Problems: | Meaning, Causes and Characteristics. |
| (ii) | Theories of Social Problems: | Social Disorganization Approach, Value Conflict Approach, Cultural Lag Approach. |
| (iii) | Population problems, Poverty, Unemployment. | |
| (iv) | Problems of the aged, Physically challenged; crime; corruption. | |

Namante

Incharge
 Department of Sociology &
 Social Anthropology
 Punjabi University, Patiala

**M.A. (PSYCHOLOGY) PART-II
(SEMESTER III & IV)
SESSIONS:- 2018-2019 AND 2019-2020**

Note: Papers 1, 2, and 5 are compulsory. Students will select any one optional paper from papers - 3 and 4

Semester - III

		External Assessment	Internal Assessment	Total
Psy.III. Core	1. Personality Theories	75	25	100
Psy. III. Core	2. Psychometrics	75	25	100
Psy. III. Elective	3 : Any one of the following options -100 each			
	Opt. (i) : Intelligence and Creativity	75	25	100
	Opt. (ii) : Life Span Development	75	25	100
	Opt.(iii) : Military Psychology	75	25	100
	Opt.(iv) : Positive Psychology	75	25	100
Psy. III. Core	4 : Any one of the following options -100 each			
	Opt.(i) : Organizational Behaviour	75	25	100
	Opt.(ii) : Psychopathology	75	25	100
	Opt.(iii) : Cross Cultural Psychology	75	25	100
	Opt.(iv) : Criminal Psychology	75	25	100
Psy. III. Core	5. Practicals (Personality and Ability Testing and Computers)	30+30+15	25	100

SEMESTER- III

PSY. III. 1. PERSONALITY THEORIES

Max. Marks : 75

Total Teaching Periods : 60

Minimum Marks : 35%

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections: A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from the sections A and B and the entire section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines. Each short answer type question will carry 3 marks.

SECTION - A

- (i) **Personality** : Concept, Assumptions concerning Human Nature. Nature of Personality Theory.
- (ii) **Psychoanalytic Theory and Post Freudian Developments** : Freud, Jung, Adler, Fromm, Erikson.

SECTION - B

- (i) **Trait Theories** : Allport, Cattell, Eysenck, Big Five Model.
- (ii) **Social Learning Theory** : Bandura

Cognitive Theory : Kelley's Personal-Construct Theory

Humanistic Phenomenological Perspective : Rogers, Maslow

REFERENCES

- Corsini, R.J. and Morselia, R.J. : Personality Theories, Research and Assessment. Illinois : Peacock.
- Hall, C.S., Lindzey, J.C. and Manosevitz, M. (1985) : Introduction to Theories of Personality. New York : John Wiley & Sons.
- Kline, P. (1983). Personality, Measurement and Theory. New York : St. Martin's Press.
- Robert, E.B. (1993). Theories of Personality. London : Lawrence Erlbaum Associates.
- Pervin L.A. (1984). Personality Theories, Assessment and Research New York : John Wiley & Sons.
- Hjelle and Ziegler (1992). Personality Theories. Singapore : McGraw Hill.
- Aitken, L.R. (1989). Assessment of Personality. Boston : Allyn and Bacon.
- Friedman, H.S. and Schustack, M.W. (2004). Personality : Classic Theories and Modern

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Max. Marks : 75

Total Teaching Periods : 60

Minimum Marks : 35%

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) **Life Span Development** : Concept, Principles

Pre-natal Development : Stages, Factors, Hazards.

- (ii) **Infancy and Childhood** :

Cognitive Development : Piaget
Moral Development : Kohlberg
Language Development : Chomsky
Socio - Cultural Development : Vygotsky.

SECTION - B

- (i) **Puberty & Adolescence** : Bodily changes, Identity (Erikson, Marcia.)
Parenting : Diana Baumrind, Attachment Theory : Bowlby, Ainsworth

- (ii) **Adulthood** :

Marriage, Family and Work : Levinson, Vaillant
Adjustment Problems in Old Age : Physical, Emotional & Cognitive
Grieving, Dying.

REFERENCES

- Sigelman, C.K., & Rider, E. A. (2005). *Life -Span Human Development*. New Delhi : Cengage
- Berk, L.E. (2009). *Development Through the Lifespan*. New Delhi : Pearson
- Brodinsky, D.M., Garmly, A.V. & Aniborn, S.R. (1986). *Life Span Human Development*. New Delhi : B.S. Publisher.
- Hurlock, E.B. (1968). *Developmental Psychology*. NY : McGraw Hill Book Company.
- Craig, G.J. (1996). *Human Development*. New Delhi : Prentice Hall Upper Saddle River.
- Hertherington, E. & Mavis (1997). *Child Psychology : A Contemporary Viewpoint* (5th E.) McGraw Hill Companies Inc.
- Meadows, S. (2017). *Understanding Child Development*. UK: Routledge

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All UG Courses - IInd Year (3rd Semester)
Environmental and Road Safety Awareness
Session: 2019-20, 2020-21 & 2021-22

Total Marks : 100
Theory : 60 marks
Internal Assessment: 15
(5 for Attendance & 10 for MST)
Mandatory field visit to PG
Science City & Report : 25 Marks

Max Time: 3 hrs.
Lectures per week 5
Credits: 04

INSTRUCTIONS FOR THE PAPER SETTERS (Regular Students)

The question paper will consist of three sections A, B and C. Each of sections A and B will have four questions from the respective sections of the syllabus. Each question shall carry 9 marks. Section C will consist of 12 short answer type questions of 2 marks each.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt any two questions from each section A and B. Section C is compulsory.

PRIVATE/DISTANCE EDUCATION STUDENTS

Max Marks: 100

Max Time: 3hrs.
Lectures per week 5

INSTRUCTIONS FOR THE PAPER SETTERS

The question paper will consist of three sections A, B and C. Each of sections A and B will have four questions from the respective sections of the syllabus. Each question shall carry 15 marks. Section C will consist of 20 short answer type questions of 2 marks each.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt any two questions from each section A and B. Section C is compulsory.

SECTION-A

INTRODUCTION TO ENVIRONMENTAL STUDIES:

The multidisciplinary nature of environmental studies. Definition, scope and importance

Concept of Biosphere – Lithosphere, Hydrosphere, Atmosphere.

ECOSYSTEM & BIODIVERSITY CONSERVATION

Ecosystem and its components, Types of Ecosystems

Biodiversity - Definition and Value, Threats to biodiversity and its conservation

Level of biological diversity: genetic, species and ecosystem diversity; biogeographic zones of India; biodiversity patterns and global biodiversity hot spots.

India as Mega-biodiversity nation; Endangered and endemic species of India.

Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and informational value.

NATURAL RESOURCES–RENEWABLE AND NON RENEWABLE RESOURCES

Land resources and land use change; land degradation, soil erosion and desertification.

Deforestation: causes and impacts due to mining, dam building on environment, Forests, Biodiversity and tribal populations.

Water: Use and over-exploitation of surface and ground water, Floods, droughts, conflicts over water (international & inter-state)

Energy resources: renewable and nonrenewable energy sources, use of alternate energy sources, growing energy needs, case studies.

Environmental Pollution

Environmental Pollution : types, causes, effects and controls; Air, Water, Soil and noise pollution. Nuclear hazards and human health risks Solid waste management, Source Segregations : Control measures of urban and Industrial waste. Pollution case studies.

SECTION-B

ENVIRONMENTAL PROTECTION LAWS IN INDIA

Environmental protection act for; Air (Prevention and control of pollution), Water (Prevention and Control of pollution), Wild life, Forest Conservation, Issues involved in the enforcement of environmental legislation. Role of an individual in prevention of pollution.

Environmental policies & Practices; Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture.

Human Communities and the Environment

Human population growth: Impacts on environment, human health and welfare, Sanitation & Hygiene. Resettlement and rehabilitation of project affected persons; case studies. Disaster management: floods, earthquake, cyclones and landslides. Environment movements: Chipko, Silent valley, Bishnois of Rajasthan.

Environmental ethics: Role of Indian and other religions and cultures in environmental conservation for a Clean-green pollution free state.

Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi)

ROAD SAFETY AWARENESS

Concept and significance of Road safety, Traffic signs, Traffic rules, Traffic Offences and penalties, How to obtain license, Role of first aid in Road Safety.

Stubble Burning

Meaning of Stubble burning.

Impact on health & environment.

Management and alternative uses of crop stubble.

Environmental Legislations and Policies for Restriction of Agriculture Residue Burning in Punjab.

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Field Work

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Visit to an area to document environmental assets: river/Forest/Flora/Fauna, etc.

Visit to Local polluted site –urban/Rural/Industrial/Agricultural.

Study of common Plants, Insects, Birds and basic principles of identification.

Study of simple ecosystems-pond, river, Delhi Ridge, etc.

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SYLLABUS

B.Sc. (Botany) Part-III (Semester-V and VI)
(Session 2019-20, 2020-21 and 2021-22)

Semester-V**THEORY**

	External Marks	Internal Assessment
Paper IX: Plant Physiology	40	15 (Attendance: 3 + Assignment: 12)
Paper X: Plant Growth, Development and Biotechnology	40	15 (Attendance: 3 + Assignment: 12)

PRACTICAL

Pertaining to Theory Paper IX:	40	-
Pertaining to Theory Paper X:		

Total Marks (Semester-V)

Theory	80 Mar
Practical	40 Mar
Internal Assessment Pertaining to Theory Paper IX & X	30 Mar
Total	: 150 Mar

Semester-VI**THEORY**

	External Marks	Internal Assessment
Paper XI: Plant Ecology	40	15 (Attendance: 3 + Assignment: 12)
Paper XII: Plant Utilization	40	15 (Attendance: 3 + Assignment: 12)

PRACTICAL

Pertaining to Theory Paper XI:	40	
Pertaining to Theory Paper XII:		

Total Marks (Semester-IV)

Theory	80 Mar
Practical	40 Mar
Internal Assessment Pertaining to Theory Paper XI & XII	30 Mar
Total	: 150 Mar

Note:

- 1) The number of teaching hours per week will be three for each theory paper and practical in every semester. In all, there will be 12 teaching hours per week for theory and practical requirements. (Six teaching hours for theory and Six teaching hours for practical per week)
- 2) Practical paper in each semester will be of 3 hours. The timing of practical examination will be 9.00 am to 12.00 noon.

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SEMESTER-VI: PAPER - XI: PLANT ECOLOGY

Max. Marks: 30
Pass Marks: 35%

Lectures to be delivered: 45
(Each of 45 minutes duration)
Time Allowed: 3 Hours

INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions each from the respective sections of the syllabus and will carry 5 marks each. Section C will consist of 5 short-answer type questions which will cover the entire syllabus uniformly and will carry 10 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt four questions selecting two questions from each section A and B. The entire section C is compulsory.

Section-A

1. Concept of ecology and its scope. Environmental factors: climatic, edaphic, topographic and biotic, Shelford's law of tolerance.
2. Population ecology: Characteristics, positive and negative interaction, growth forms, carrying capacity, ecotypes and ecads.
3. Community ecology: Community characteristics, frequency, density and abundance, cover, life forms. ecological succession (Hydrosere, Xerosere). Gause principle of competitive exclusion.
4. Structure and concept of ecosystem, ecological pyramids, food chain, food web, ecological energetics, ecological productivity.

Section-B

5. Environmental issues: Brief idea of air, water, noise and soil pollution. Global warming and ozone depletion. International efforts for mitigation of global climate change.
6. Biodiversity: Types and conservation, concept of hot spots, biomes, phytogeographic regions of India, vegetation types (Forests, Grasslands, Wetlands).
7. Ecological adaptations in xerophytes, hydrophytes and halophytes.
8. Biogeochemical cycles with particular reference to C, N and P.

RECOMMENDED READINGS

1. Begon, M., Townsend, C.R. & Harper, J.L. 2006. *Ecology: From Individuals to Ecosystems*. (4th Edition) Blackwell Publishers, Australia.
2. Gurevitch, J., Scheiner, S.M. and Fox, G.A. 2006. *The Ecology of Plants* (2nd Edition). Sinauer Associates Inc, Pub. USA.
3. Kormondy, E.J. 1996. *Concepts of Ecology*. Prentice-Hall of India Pvt. Ltd., New Delhi.
4. Mackenzie, A. et al. 1999. *Instant Notes in Ecology*, Viva Books Pvt. Ltd., New Delhi.
5. Mcknney, M.L., Schoch, R.M. & Yonaujak, L. 2007. *Environmental Science: Systems and Solutions* (4th Edition). Jones and Bartl. Pub., USA.
6. Odum, E.P. 1983. *Basic Ecology*, Saunders, Philadelphia.
7. Omasa, K. Saji, H., Youssefian, S. and Kondo, N. 2005. *Air pollution and Plant Biotechnology: Prospects for Phytomonitoring and Phytoremediation*. Springer-Verlog, Tokyo, Japan.

SUGGESTED LABORATORY EXERCISES PERTAINING TO THEORY PAPERS: PLANT ECOLOGY AND PLANT UTILIZATION:

Teachers may select plant/material available in their locality/institution.

1. To determine minimum number of quadrats required for study of a grassland.
2. To study the frequency of herbaceous species in grassland and to compare the frequency distribution with Raunkiaer's Standard Frequency Diagram.
3. To estimate Importance Value Index (IVI) for grassland species on the basis of relative frequency, relative density and relative biomass in protected and grazed grassland.
4. To measure the vegetation cover of a grassland through point frame method.
5. To measure the above ground plant biomass in a grassland.
6. To determine Kemp's constant for dicot and monocot leaves and to estimate the leaf area index of a grassland community.
7. To determine diversity indices (Richness, Simpson, Shannon Wiener) in grazed and protected grassland.
8. To estimate bulk density and porosity of grassland and woodland soil.
9. To determine moisture content and water holding capacity of grassland and woodland soil.
10. To study the vegetation structure through profile diagram.
11. To estimate transparency, pH and temperature of different water bodies.
12. To measure dissolved oxygen content in polluted and unpolluted water samples.
13. To estimate salinity of different water samples.
14. To determine the per cent leaf area injury of different leaf samples collected around polluted sites.
15. To demonstrate dust holding capacity of the leaves of different plant species.
16. Food Plants: Study of the morphology, structure and simple micro chemical tests of the food storing tissues in rice, wheat, maize, potato and sugarcane. Microscopic examination of starch in these plants (excepting sugarcane).
17. Fibres: Study of cotton flower, sectioning of the cotton ovules/developing seeds to trace the origin and development of cotton fibres. Microscopic study of cotton and test for cellulose. Sectioning and staining of jute stem showing the location and development of fibres. Microscopic structure. Tests for ligno-cellulose.
18. Vegetable Oils: study of hand sections of groundnut, mustard and coconut and staining of oil droplets with Sudan III and Sudan Black.
19. Field Visits: To study sources of firewood (10 plants), timber-yielding trees (10 trees) and bamboos. A list to be prepared mentioning special features.
20. Spices: Examine Black pepper, cloves, cinnamon (hand sections) and open fruits of cardamom and describe them briefly.
21. Preparation of an illustrated inventory of 10 medicinal plants and use their in indigenous systems of medicine of allopathy: Write their botanical and common names, parts used and diseases/disorders for which they are prescribed.
22. Beverages: Section of boiled coffee beans and tea leaves to study the characteristic structural features.

SUGGESTED READINGS FOR LABORATORY EXERCISES IN PLANT ECOLOGY AND PLANT UTILIZATION

1. APHA- *Standard Methods for the Examination of Water and Waste Water*. American Public Health Association, Washington, D.C.
2. Krebs, C.J. 1989. *Ecological Methodology*. Harper and Row, New York, USA.

SYLLABUSB.Sc. Part-I (Semester-I and II) Subject-Zoology
(Session 2017-18, 2018-19 and 2019-20)**Semester-I****THEORY**

	External Marks	Internal Assessment
Paper-I : Cell Biology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-II : Biodiversity - I	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)

PRACTICAL

Pertaining to Theory Paper-I and Theory Paper-II:	40
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Total Marks (Semester-I)

Theory	80 Marks
Practical	40 Marks
Internal Assessment pertaining to Theory Paper I & II	30 Marks
Total	150 Marks

Semester-II**THEORY**

	External Marks	Internal Assessment
Paper-I : Biodiversity - II	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-II : Ecology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)

PRACTICAL

Pertaining to Theory Paper-I and Theory Paper-II :	40
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Total Marks (Semester-II)

Theory	80 Marks
Practical	40 Marks
Internal Assessment pertaining to Theory Paper I & II	30 Marks
Total	150 Marks

Note:

- 1) The number of teaching hours per week will be three for each theory paper and three for each practical in every semester. In all, there will be 12 teaching hours per week covering both theory and practical requirements. (Six teaching hours for theory and Six teaching hours for practical per week)
- 2) There will be one Practical paper of 3 hours pertaining to the theory papers I & II in each semester. The timing of practical examination will be 9.00 am to 12.00 noon.

PAPER-II : ECOLOGY

Max. Marks: 55
 Pass marks: 35%
 Theory-40
 Internal Assessment : 15

Time Allowed: 3 hours
 Lectures to be delivered: 45
 (Each of 45 minutes duration)

INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 6 marks each. Section C will consist of 8 short-answer type questions (8 to 10 lines) which will cover the entire syllabus uniformly and will carry 16 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C, which is compulsory.

SECTION-A**II. Ecology**

1. Ecology : Subdivisions and scope of ecology.
2. Ecosystem : Components, ecological energetics, food web, introduction to major ecosystems of the world.
3. Ecological factors : Temperature, light and soil as ecological factors.
4. Nutrients : Biogeochemical cycles and concept of limiting factors.
5. Ecological adaptations: Morphological, physiological and behavioural adaptations in animals in different habitats.

SECTION-B**III. Environmental Studies:**

- I. Environmental education : Importance of Biodiversity.
- II. Population : Characteristics and regulation of population.
- III. Inter and Intra specific : Competition, predation, parasitism, relationships commensalisms & mutualism.
- IV. Natural resources : Renewable and non-renewable natural resources and their conservations.
- V. Environmental degradation: Causes, impact and control of air, soil, water and noise pollution (in general).

6. Biotic Interactions: Intra specific interactions and Inter specific interactions (Antagonism : Competition, Predation, Parasitism, Ammensalism; Beneficial : Commensalism, Proto cooperation, Mutualism).

7. Wild life: Importance, need of conservation, conservation strategies, projects for endangered species, project tiger, crocodile breeding project, Gir lion sanctuary project, vulture breeding project.

Books Recommended

1. Kormondy E. J., *Concepts of Ecology*, Englewood Cliffs, N.J. Prentice Hall Inc., 1975.
2. Krebs C. J., *Ecology*, Harper & Row, New York, 1982.
3. E.P. Odum, *Fundamentals of Ecology*, W.B. Saunders Co., Philadelphia, 1995.
4. Dhami P. S. & Dhami J. K., *Invertebrates*, R. Chand & Co., New Delhi, 2001.
5. Barnes, R.D., *Invertebrates Zoology*, W.B. Saunders Philadelphia, 1999.
6. Cooper, G.M., Hausman, R.E. (2009) *The Cell: A molecular approach*. ASM Press and Sinauer Associates (Fifth Edition).
7. Karp, G. (2010). *Cell and Molecular Biology: Concepts and Experiments* (Sixth Edition) John Wiley & Sons Inc.

PAPER-IV : CHORDATES

Max. Marks: 55

Pass marks: 35%

Theory-40

Internal Assessment : 15

Time Allowed: 3 hours

Lectures to be delivered: 45

(Each of 45 minutes duration)

INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 6 marks each. Section C will consist of 8 short-answer type questions (8 to 10 lines) which will cover the entire syllabus uniformly and will carry 16 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C, which is compulsory.

SECTION-A

1. Brief classification of Chordata, Chordate characters, Origin of Chordata

Punjabi University, Patiala

B.Sc. (Hons.) Biotechnology Part II

CHOICE BASED CREDIT SYSTEM

Academic Session 2019-2020, 2020-21 & 2021-22

Subject and Distribution of Marks

B.Sc. (Hons.) Biotechnology Part II (3rd Semester)

SEMESTER III					
Paper No and code	Name of paper	Credit per Week	Internal Marks*	External Marks	Total Marks
C5-BHB12	Genetics	4	26	74	100
C6-BHB13	General Microbiology	4	26	74	100
C7-BHB14	Spectroscopic Techniques-1/ Chemistry-3	4	26	74	100
SECI-BHB15	Enzymology	4	26	74	100
GE4-BHB16	Environmental Biotechnology/ Ecology & Environment Management	4	26	74	100
LC-7 (C5-BHB12)	Practical Pertaining to Theory C5-BHB12	2	---	50	50
LC-8 (C6-BHB13)	Practical Pertaining to Theory C6-BHB-13	2	---	50	50
LC-9 (C7- BHB14)	Practical Pertaining to Theory C7-BHB-14	2	---	50	50
LC-10 (SECI-BHB15)	Practical pertaining to theory SECI-BHB15	2		50	50
LC-11 (GE4-BHB16)	Practical pertaining to theory GE4-BHB16	2		50	50
Total		30	130	620	750

Note: *Weight age of different components in internal assessment is as: Attendance: 20%; written assignment/project work/Seminar/Industrial visit: 40%; two- mid semester Tests/Internal Examination- 40%

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PAPER II
ENVIRONMENTAL BIOTECHNOLOGY

Max. Marks: 52
Pass Marks: 35%

Lectures to be delivered: 75
(Each of 45 minutes duration)
Time Allowed: 3 Hours

INSTRUCTIONS FOR INTERNAL ASSESSMENT

The internal assessment (18 marks) would comprise of 4.0 marks for attendance of candidates, 7.0 marks for assignment and 7.0 marks for internal test. Two tests would be conducted by the concerned teacher during the semester and the average of the two would be considered for internal assessment.

INSTRUCTIONS FOR THE PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective section of syllabus and will carry 8 marks each. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 20 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C.

SECTION - A

1. Introduction: Brief introduction to environment; Indicators of pollution: Physicochemical and Biological
2. Air pollution: Units of measurements, sources of pollutants and hazards.
3. Soil pollution: sources of pollutants and hazards.
4. Water pollution: sources of pollutants and hazards.
5. Waste-water treatment: a) Aerobic: Brief account of activated sludge reactors, aerated ponds and lagoons, trickling filters.
b) Anaerobic waste-water treatment: Outline of biogas production, up-flow anaerobic sludge blanket reactor, anaerobic filter reactor, contact reactor, factors affecting process operation, status of biogas production in India.

SECTION - B

6. Vermicomposting: Vermicomposting process, types of vermicomposting systems, vermicomposting product, waste management by vermicomposting, effect of wastes vermicompost on the growth and yield of plants.
7. Bioremediation: General description of bioremediation and application of biotechnology; Removal/remediation of heavy metals, pesticides and xenobiotics, paper, dye and textile industry effluents.
8. Pollutant monitoring I: Biosensors: Introduction Principle and Applications for the detection of heavy metal ions, pesticides and pathogens.
9. Pollutant monitoring II: Principle, working and applications of GC and HPLC.
10. Pollutant monitoring III: Spectroscopic techniques for monitoring pollutants.

Recommended Readings:

1. *Industrial Water Pollution* (1998) by W. Wistley Elbendelds, Jr, McGraw Hill International, India.
2. *Biotechnology-Application to Environmental Protection* (1993) by M.M. Pandey, Himalaya Publishing House, India.
3. *Commercial Biotechnology-An International Analysis* (1984) by United States, Office of Technology Assessment, DIANE Publishers, USA.
4. *Advances in Industrial Waste Water Treatment* (1999) by P.K. Goel, Technnosience Publications, India.
5. *Environmental Engineering* (1988) by H.S. Peavy and D.R. Rowe, McGraw Hill International, India.
6. *Recent books need to be added*

PRACTICALS

Max Marks: 30

Pass Marks: 35%

List of Practicals

1. Determination of TS, TDS and TSS in an industrial effluent.
2. Determination of BOD of an industrial effluent.
3. Determination of COD of an industrial effluent.
4. Estimation of Cr(VI) content in electroplating industrial effluent by spectrophotometer method.
5. Estimation of Ni(II) content in electroplating industrial effluent by spectrophotometer method.
6. Demonstration of biogas production.
7. Bioremediation of heavy metal ions/pesticides/dye or textile effluent.
8. Demonstration of vermicomposting.

Practical Performance	: 22 Marks
Viva-Voce	: 5 Marks
Practical Record	: 3 Marks

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Date for
2020-21
2021-22

SYLLABUS
BACHELOR OF LAWS PART-III
(5YEAR COURSE) (FIFTH AND SIXTH SEMESTERS)
FOR 2019-20, 2020-21 AND 2021-22 SESSIONS
SCHEME OF STUDIES

FIFTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Legal History	74	26	100
II	Environment Law	74	26	100
III	Law of Property	74	26	100
IV	Labour and Industrial Law-I	74	26	100
V	Administrative Law	74	26	100
	Total	370	130	500

SIXTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Jurisprudence	74	26	100
II	Law of Taxation	74	26	100
III	Company Law	74	26	100
IV	Labour and Industrial Law-II	74	26	100
V	Option: Any one of the following: (a) International Organisations (b) Gender Justice (c) Media and Law	74	26	100
	Total	370	130	500

Paper-II- Environmental Law

UNIT-I

- Meaning, Definition & Kinds of Pollution, Pollution by Fireworks.
- Ecology System.
- Factors Affecting the Environment in India.
- General Legal Provisions relating to Control of Pollution.
- Constitution of India Articles 21, 48A, 51A(g).
- Code of Civil Procedure Section 91.
- Code of Criminal Procedure Section 133.
- Indian Penal Code Ss. 268, 270, 278, 290.
- Law of Torts and Judicial Remedies.
- Environment Protection Act, 1986.
- Salient Features of National Green Tribunals Act, 2010.
- Salient Features of Sustainable Development.
- Role of Judiciary in India for the protection of Environment.
- Principles of Stockholm Declaration on the Human Environment 1972.
- Principles under the Rio Declaration on Environment & Development 1992.

UNIT-II

- **The Water (Prevention and Control of Pollution) Act, 1974.**
- Definition Clause
- Constitution of Central and State Board and its functions
- Joint Boards
- Power to take samples of effluents and result of analysis on samples

- Restriction on New outlets and new Discharges
- Emergency measures in case of pollution of stream or well
- Cognizance of offences and penalties
- Appeals
- The Air (Prevention and Control of Pollution) Act, 1981. Problem of Stubble burning
- Definition Clause
- Constitution of Central and State Board and terms, conditions and disqualification of members.
- Functions of Central and State Board
- Power to take samples of Air pollutant emissions and result of analysis
- Restriction on use of certain industrial plants
- State Air laboratory
- Cognizance of offences and penalties
- Appeals
- Problem of stubble burning

Noise Pollution and Law.

- Meaning, Concept and Effects of Noise Pollution
- Legislative measures to Control Noise Pollution
- Noise Pollution and Constitution Provisions

Wild Life Protection Act, 1972

- Constitution of National Board and Functions of National Board
- Constitution of State Board and Duties of State Board
- Prevention and Detection of Offences
- Penalties

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SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-I
SESSION 2018-19 and 2019-20

Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>				
Paper I. Fundamentals of Geomorphology	5	65	100	3 hrs.
Paper II. Man and Environment	5	65	100	3 hrs.
Paper III. Resource Geography of India	5	90	100	6 hrs.
Paper V. Map Work and Practical Geography (Cartography)				
<u>ELECTIVE PAPERS</u>				
Paper IV:				
Option (i) Geography of Settlements with Special Reference to India	5	65	100	3 hrs.
Option (ii) Economic Geography	5	65	100	3 hrs.

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-II
SESSION 2018-19 and 2019-20

Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>				
Paper I. Remote Sensing and Geographic Information System	5	65	100	3 hrs.
Paper II. Human Impact on Environment: Issues & Perspectives	5	65	100	3 hrs.
Paper III. Geography of Regional Planning	5	90	100	6 hrs.
Paper V. Map Work & Practical Geography (Morphometric Analysis & Air Photo Interpretation).				
<u>ELECTIVE PAPERS</u>				

PAPER - II : MAN AND ENVIRONMENT

Max. Marks: 100
Internal Assessment: 30 Marks
Periods: 65
Written Paper: 70 Marks
Pass Marks: 35%

Time Allowed: 3 Hours
Total Teaching

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective section of the Syllabus and each question will carry 10 marks. Section C will consist of 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
- (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) Candidates are required to attempt two questions each from the sections A and B of the question paper and the entire section C.
- (ii) Candidates are allowed to use outline stencil maps of the world continents/countries. They are also allowed to use simple calculators.

SECTION-A

Man and his environment

- (i) Environment: Meaning of Environment, Approaches to the study of environment, Historical perspective on man & environment relationship. 6 Periods
- (ii) Ecology & Ecosystem: Meaning and concept of ecology, sub-divisions. 5 Periods
- (iii) Ecosystem: Meaning, types of ecosystems, structure and functions of ecosystems. 6 Periods

Energy, Material and Biogeochemical Cycles

- (iv) Energy & Material Cycling in Ecosystem: Food chains and food web, Energyflow in ecosystem by grazing and

1

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-I
SESSION 2018-19 and 2019-20

Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>				
Paper I. Fundamentals of Geomorphology	5	65	100	3 hrs.
Paper II. Man and Environment	5	65	100	3 hrs.
Paper III. Resource Geography of India	5	90	100	6 hrs.
Paper V. Map Work and Practical Geography (Cartography)				
<u>ELECTIVE PAPERS</u>				
Paper IV:				
Option (i) Geography of Settlements with Special Reference to India	5	65	100	3 hrs.
Option (ii) Economic Geography	5	65	100	3 hrs.

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-II
SESSION 2018-19 and 2019-20

Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>				
Paper I. Remote Sensing and Geographic Information System	5	65	100	3 hrs.
Paper II. Human Impact on Environment: Issues & Perspectives	5	65	100	3 hrs.
Paper III. Geography of Regional Planning	5	90	100	6 hrs.
Paper V. Map Work & Practical Geography (Morphometric Analysis & Air Photo Interpretation).				
<u>ELECTIVE PAPERS</u>				

Paper - II: HUMAN IMPACT ON ENVIRONMENT: ISSUES & PERSPECTIVES

Max. Marks: 100

Time Allowed: 3 Hours

19

Internal Assessment: 30 Marks
 Periods: 65
 Written Paper: 70 Marks
 Pass Marks: 35%

Total Teaching

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective section of the Syllabus and each question will carry 10 marks. Section C will consist of 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
- (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) Candidates are required to attempt two question each from the sections A and B of the question paper and the entire section C.
- (ii) Candidates are allowed to use outline stencil maps of the world/continents/countries. They are also allowed to use simple calculators.

SECTION-A**Population and Environment**

- (i) Theories of Man/Habitat interaction 8 Periods
- (ii) Population Dynamics and Regulations, Population Characteristics, Population Growth Curves: S-shaped and J-shaped, Density Dependent and Density Independent Factors. 9 Periods

Man's Impact on Water & Atmosphere

- (iii) **Water** 8 Periods
 - a. Deliberate modifications of Rivers.
 - b. Dams and Environment.
 - c. Effects of Deforestation
 - d. Water Pollution.
- (iv) **Atmosphere** 8 Periods
 - a. Sources of Air Pollution
 - b. Effects of Air Pollution on Human Health, Vegetation & Material.
 - c. Indoor Air Pollution.
 - d. Measures & Controls of Air Pollution.

SECTION-B**Issues & controversies**

- (v) **Social Issues** 8 Periods

Sustainable Development: Concepts of Sustainable Development, International Cooperation to accelerate Sustainable Development, Strategies to achieve Sustainable Development.

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- (vi). Environmental controversies 8 Periods
- Taj Trapezium controversy
 - Ganga Action Plan controversy
 - Chilika Lake controversy
- Global Environmental Problems & Strategies
- (vii). Problems 8 Periods
- Global warming
 - Urban Heat Island
 - Acid Rain
 - Ozone Depletion
- (viii). Environmental Strategies 8 Periods
- Stockholm Conference, 1972
 - Vienna Conference, 1985
 - Montreal Protocol, 1987
 - Rio Summit, 1992
 - Kyoto Protocol, 1997
 - World Summit on Sustainable Development, Johannesburg, 2002
 - Paris Summit, 2015

BOOKS RECOMMENDED

- Agarwal, A. et. al (2001): *Poles Apart*, Centre for Science and Environment, New Delhi.
- Cunningham, W.P. and Saigo, B.W. (1995): *Environmental Science*, Wm Brown Publisher, Dubique.
- De A.K. (2003): *Environmental Chemistry*, New Age International Publishers, New Delhi.
- Goudie, A. (1993): *The Human Impact*, Oxford Basil Blackwell.
- Joseph, B. (2006): *Environmental Studies*, Tata McGraw Hill Publishing Company, New Delhi.
- Mishra, A. (2004): *Environmental Studies*, Selective and Scientific Books, New Delhi.
- Park, C. (1997): *Environment*, Routledge, London.
- Raven, R.H.et. al.(1993): *Environment*, Harcourt Brace College Publishers, Florida.
- SV, S.B. and Seth, B.L. (2010): *Sewage Canal: How to clean the Yamuna*, Centre for Science and Environment, New Delhi.
- The World Bank (2010): *World Development Report 2010: Development and Climate Change*, The World Bank, Washington.

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Sem - II

THIS PAGE CONCERNED ONLY CAMPUS STUDENTS
M.A. (PSYCHOLOGY) PART-I
(SEMESTER I & II)
SESSION 2019-20 & 2020-21

Semester-I	Paper Title	Lecture	Tutorial	Practical	Seminar	Total Credit
Psy. 1.1 Core	Systems and Theories of Psychology	5	---	---	---	5
Psy. 1.2 Core	Experimental Psychology	5	---	---	---	5
Psy. 1.3 Elective	Physiological Psychology	5	---	---	---	5
Psy. 1.4 Core	Statistics in Psychology	5	---	---	---	5
Psy. 1.5 Core	Practicals (Lab, Experiments, Computers)	10	---	5	---	5
Semester-II						
Psy. 11.1 Core	Cognitive Psychology	5	---	---	---	5
Psy. 11.2 Core	Social Psychology	5	---	---	---	5
Psy. 11.3 Elective	Environmental Psychology	5	---	---	---	5
Psy. 11.4 Core	Experimental Designs in Psychology	5	---	---	---	5
Psy. 11.5 Core	Practicals (Field Studies, Cognitive Testing, Computers)	10	---	5	---	5

OPEN ELECTIVE SUBJECT:- GENERAL PSYCHOLOGY

(QUALIFYING PAPER FOR OTHER STUDENTS)

THE SUBJECTS WHICH THE STUDENTS CAN OPT FROM MOOC WILL BE NOTIFIED BY THE DEPARTMENT SEMESTER WISE TIME TO TIME.

Sem - II

Psy. II. 3:

ENVIRONMENTAL PSYCHOLOGYElective Paper

Maximum Marks: 75

Total Teaching Periods: 60

Credits - 5

Time Allowed: 3 Hours

SECTION - A

- (i) Environmental Psychology-Nature and Scope
Theoretical Perspective: Brunswik, Gibson, Barker, Brofenbrenner.
- (ii) Personal Space: Nature and Theories.
Territoriality: Theories and Measurement.

SECTION - B

- (i) Environmental Problems with reference to India: Crowding, Pollution: Noise, air and water
- (ii) Environment and Health Behaviours
Role of Psychologist in environment management and promotion of eco-friendly behaviour

REFERENCES

1. Baum, A., & Singer, J.E. (1980). *Advances in Environmental Psychology- Vol-II: Application of Personal Control*. New Jersey: Lawrence Erlbaum Associates.
2. Bechtel, R.B. (1997). *Environment and Behaviour: An Introduction*. Thousand Oaks: Sage Publications.
3. Bonnes, M., & Secchiaroli, G. (1995). *Environmental Psychology- A Psycho-Social Introduction*. London: Sage Publications
4. Churchman, A., & Bechtel, R.B. (2002). *Handbook of Environmental Psychology*. New York: John Wiley and Sons
5. Gifford, R. (1987). *Environmental Psychology, Principles and Practices*. U.S.A : Allyn and Bacon Inc.
6. Moos, R.H. (1996). *The Human Context: Environmental Determinants of Behaviour*. New York: Wiley
7. Stokols, D., & Altman, I. (1987). *Handbook of Environmental Psychology*, Vol. 1-2. New York: Wiley
8. Zube, E.H., & Moore, G.T. (1991). *Advances in Environment, Behaviour and Design, (Vol. 3)*. Plenum Press.

P.S. II.3: ENVIRONMENTAL PSYCHOLOGY**Executive Paper**

Maximum Marks: 75

Total Teaching Periods: 60

Credits - 3

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) **Environmental Psychology: Nature and Scope; Psychological benefits of nature Environment and Human Perception (Brunswik, Gibson, Barker, Brofenbrenner).**
- (ii) **Personal Space and Territoriality: Nature and Theories.**
Crowding and Over Population

SECTION - B

- (i) **Environmental Problems with reference to India: Pollution: Noise, Air and Water (Psychological Causes and Management)**
- (ii) **Psychology and Climate Change, Natural and Technological Disasters.**
Role of Psychologists in environment management and promotion of eco-friendly behaviour

REFERENCES

1. Baum, A., & Singer, J.E. (1980). *Advances in Environmental Psychology: Application of Personal Control* (Vol. II). Hillsdale, NJ: Lawrence Erlbaum Associates.
2. Bechtel, R.B. (1997). *Environment and Behaviour: An Introduction*. Thousand Oaks, CA: Sage Publications.
3. Bonnes, M., & Secchiarioli, G. (1995). *Environmental Psychology- A Psycho-Social Introduction*. London, UK: Sage Publications
4. Churchman, A., & Bechtel, R.B. (2002). *Handbook of Environmental Psychology*. New York, NY: John Wiley and Sons
5. Gifford, R. (1987). *Environmental Psychology, Principles and Practices*. Boston, MA: Allyn & Bacon.
6. Moos, R.H. (1996). *The Human Context: Environmental Determinants of Behaviour*. New York, NY: Wiley.
7. Stokols, D., & Altman, I. (1987). *Handbook of Environmental Psychology* (Vol. 1-2). New York, NY: Wiley.
8. Zube, E.H., & Moore, G.T. (Eds.). (1991). *Advances in Environment, Behaviour and Design* (Vol. 3). New York, NY: Plenum Press.

M.A. (SOCIOLOGY) PART-II
For Regular/Distance Education Students
(FOURTH SEMESTER)
Session : 2018-2019 & 2019-2020

Note: Regular/Distance Education Student each paper is of 70 marks and 30 marks of Internal Assessment.

The Break-up of 30 Marks for Internal Assessment (Theory Papers) is as below:

- | | |
|--|----------|
| 1. Test | |
| 12 Marks | |
| 2. Class Attendance | 06 Marks |
| 3. Field Work / Project Work/Assignment/
Seminar etc. | 12 Marks |

TOTAL MARKS	30 Marks
--------------------	-----------------

SEMESTER-IV
PAPER-I

**SOCIOLOGICAL AND ANTHROPOLOGICAL
THEORIES-IV**

Regular/Distance Education M. Marks: 100

Time Allowed:

3hrs

Pass Marks: 25

Theory 70+Internal 30

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

-5-

PAPER-III

ENVIRONMENTAL SOCIOLOGY

Regular/Distance Education M. Marks: 100

3hrs

Pass Marks: 25

Theory 70+Internal 30

Time Allowed:

INSTRUCTIONS FOR THE PAPER-SETTER

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The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B.

All questions in Section C are compulsory.

Section-A

Environmental sociology

Nature: main features

Scope: the main topics and areas of ES

Emergence: phases of development

Basic concepts:

Environment: a discussion of various concepts and functions of environment Ecology and eco-system: History of concept, reasons for popularity.

Theoretical perspectives:

Human Exemptionalist Paradigm (HEP): main features of HEP, Marxist and Durkhiemian perspectives

New Ecological Paradigm (NEP):

New perspectives:

Radical ecology: Main features.

Deep ecology.

Eco-feminism: Main features.

-6-

Section -B

Ecological Crisis:

Nature: Extent and Types.

Major issues :

resource

controversies

Population: New Malthusian and ultimate

debate

GMOs, benefits and

Environmental activism:

Legislation

NGOs: types and functions

Media: types and functions

Environmental Movements:

Development, Nature and types

The Chipko movement: a detailed study of its significance

RECOMMENDED READINGS

1. Agarwal, A. and Narain 1985 : *State of India's Environment: The Second Citizen's Report 1984-85*, New Delhi: Centre for Science and Environment.
2. Alvarez, C. 1992 : *Science, Development and Violence*, Delhi: Oxford University Press.
3. Dreyer, Oleg 1989 : *Ecological Problems of Developing Countries*, Delhi: Ajanta.
4. Gadgil, M. and Guha, R. 1996 : *Ecology and Equity: The Use and Abuse of Nature in Contemporary India*, Delhi: Viking Penguin.
5. Guha, R. 1988 : Ideological Trends in Indian Environmentalism, *Economic and Political Weekly*, Vol. 13, pp. 2578-81.
6. Hanningan, J. A. 1995 : *Environmental Sociology*, London: Routledge.
7. Harvey, B. and Hallett, J. D. 1977 : *Environment and Society: An Introductory Analysis*, London: Macmillan.
8. Iyer, K. G. (ed) 1977 : *Sustainable Development: Ecological and Socio-cultural Dimensions*, New Delhi: Vikas.
9. King, Leslie and Deborah Mearthy 2009: *Environmental Sociology : From analysis to action : Rowman & Littlefield Publishers, INC.*
10. Mehta, M. D. and E. Quellit (eds.) 1995 : *Environmental Sociology: Theory and Practice*, North York : Catpus Press.
11. Rangarajan, M. 1996 : The Politics of Ecology, *Economic and Political Weekly*, Vol. 31, pp. 2376-91.
12. Redclift, M. R. and 1994 : *Social Theory and Global*

2020-21

1.3.1 List of Courses relevant to Professional Ethics, Gender, Sensitization, Human Values and Environment Sustainability. Session 2020-21

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Sr.no	Issues	Programme Name	Course Name	Page no
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		Bachelor of Laws Sem-8	Professional Ethics and Professional Accounting System	107-108
		M.A. Psychology Sem-4	Counselling Psychology	109-112
			Personality Assessment	
		M.A. Public Administration sem-4	Emerging Areas in Indian Administration	113-114
Bachelor of laws Sem-6	Gender Justice	115-116		
2	Gender Sensitization	MA Sociology Sem-4	Gender and Society	117-118
		MA Psychology sem-2	Social Psychology	119-120
		MA English sem-3	Literature and Gender	121-123
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			Personality Theories	
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




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**Outlines of Tests,
 Syllabi and Courses of Reading
 For
 B.Com.(HONOURS) Part-III
 (Semester V & VI)
 For
 2020-21, 2021-22 & 2022-23 Sessions**


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BCH-604
CORPORATE GOVERNANCE & SOCIAL RESPONSIBILITY OF BUSINESS

Time Allowed: 3 Hrs.
 Period per week : 6
 Assessment: 70
 Pass percentage: 35%
 Assessment: 30

Max. Marks: 100
 External
 Internal

Instructions for Paper-Setters/Examiners

The question paper covering the entire course shall be divided into three sections as follows:

SECTION-A

It will consist of essay type questions. Four questions shall be set by the examiner from Unit-I of the syllabus and the candidate shall be required to attempt two. Each question shall carry 10 marks; total weight of the section shall be 20 marks.

SECTION-B

It will consist of essay type questions. Four questions shall be set by the examiner from Unit-II of the syllabus and the candidate shall be required to attempt two. Each question shall carry 10 marks; total weight of the section shall be 20 marks.

SECTION-C

It will consist of 12 very short answer questions from entire syllabus. Students are required to attempt 10 questions up to five lines in length. Each question shall carry 3 marks; total weight of the section shall be 30 marks

UNIT-I

Corporate Governance: concept, meaning, scope and need of Corporate Governance, Corporate Governance mechanism, Corporate Governance and stakeholders: obligation to investors, obligation to employees, obligation to customers, managerial obligation, obligation to government. Features of good governance, Role played by regulators to improve corporate governance, **Business Ethics** vis-a-vis Corporate Governance; corporate and board management: types of directors:

20

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Promoter, nominee, Shareholder, Independent Board Committees: Audit Committee, Remuneration Committee, Shareholders' grievance committee, other committees.

UNIT-II

- Global Perspective of Corporate Governance: Cadbury Committee, Greenburg Committee, OECD Principles of Corporate Governance. Corporate Governance in India: Kumar Mangalam Birla Committee on corporate Governance, Narayan Murthy Committee, Companies (Appointment of Small Shareholders' Director) Rules (2001), Clause 49 of listing agreement. E Governance: Meaning, scope and importance.

Corporate Social Responsibility: Meaning, evolution of CSR. Relation between CSR and Corporate governance; environmental aspects of CSR; models of CSR in India, drivers of CSR. CSR-Legislation In India: Section 135 of Companies Act 2013.

B.Sc. (Hons.) Biotechnology part II (4th Semester)

SEMESTER IV					
Paper No and code	Name of paper	Credit per Week	Internal Marks*	External Marks	Total Marks
C8-BHB17	Molecular Biology	4	26	74	100
C9-BHB18	Immunology	4	26	74	100
C10-BHB19	Chemistry-4/Spectroscopic Techniques-II	4	26	74	100
SEC-2 BHB 20	Industrial Fermentations	4	26	74	100
GE5- BHB 21	IPR, Entrepreneurship Bioethics & Bio-safety/Entrepreneurship development	4	26	74	100
AFCC-5-BHB 22	Environmental & Road Safety Awareness (Qualifying/ as per university rules) (Shift into 3 rd Semester)	2 lectures per week	30	70	100**
LC-12 (C8-BHB17)	Practical Pertaining to (C8-BHB17)	2	---	50	50
LC-13 (C9-BHB18)	Practical Pertaining to Theory Paper (C9-BHB18)	2	---	50	50
LC-14(C10-BHB 19)	Practical Pertaining to Theory Paper (C10-BHB 19)	2	---	50	50
LC-15 (SEC-2 BHB 20)	Practical Pertaining to Theory (SEC-2 BHB 20)	2	---	50	50
LC-16 (GE5 BHB 21)	Practical Pertaining to Theory GE5 BHB 21	2	---	50	50
Total		50	130	620	750

Note: *Weight age of different components in internal assessment is as: Attendance: 20%, written assignment/project. work/Seminar/Industrial visit: 40%, two- mid semester Tests Internal Examination- 40%

**marks are not to be included in total marks of semester.

(Signature)
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 गवर्नमेंट मोहिन्द्रा कॉलेज
 पटियाला

GE-5 - IPR, ENTREPRENEURSHIP BIOETHICS & BIOSAFETY-CODE: BHB 21

Time Allowed: 3hrs; . MM: 74; Pass Percentage: 40 %

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OBJECTIVES:

- This subject will introduce basic concepts of ethics and safety that are essential for different disciplines of science and procedures involved and protection of intellectual property and related rights.
- Students will understand balanced integration of scientific and social knowledge in sustainable development.

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and carry 11 marks each. Section C will consist of 15 short answer type questions which will cover the entire syllabus uniformly and will carry 30 marks in all.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B of the question paper and the entire section C.

SECTION-A

(15 Periods)

UNIT-I

Introduction to Indian Patent Law. World Trade Organization and its related intellectual property provisions: Intellectual/Industrial property and its legal protection in research, design and development. Patenting in Biotechnology, economic, ethical and depository considerations.

(20 Periods)

UNIT II

Entrepreneurship: Selection of a product, line, design and development processes, economics on material and energy requirement, stock the product and release the same for making etc. The basic regulations of excise: Demand for a given product, feasibility of its production under given constraints of raw material, energy input, financial situations export potential etc.

SECTION-B

(10 Periods)

UNIT III

Bioethics - Necessity of Bioethics, different paradigms of Bioethics - National & International. Ethical issues against the molecular technologies.

(15 Periods)

UNIT IV

Biosafety- Introduction to biosafety and health hazards concerning biotechnology. Introduction to the concept of containment level and Good Laboratory Practices (GLP) and Good Manufacturing Practices (GMP).

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SUGGESTED READINGS

1. Entrepreneurship: New Venture Creation: David H. Holt
2. Patterns of Entrepreneurship: Jack M. Kaplan
3. Entrepreneurship and Small Business Management: C.B. Gupta, S.S. Khanka, Sultan Chand & Sons.
4. Sateesh MK (2010) Bioethics and Biosafety, I. K. International Pvt Ltd.
5. Sree Krishna V (2007) Bioethics and Biosafety in Biotechnology. New age international publishers

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PUNJABI UNIVERSITY, PATIALA
SYLLABUS

BACHELOR OF LAWS PART-IV (SEVENTH&EIGHTH SEMESTER)
(FIVE YEARS COURSE)
For 2020-21, 2021-22 and 2022-23 sessions

SCHEME OF STUDIES

SEVENTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Law of Evidence	74	26	100
Paper-II	Land Laws including Tenure & Tenancy System	74	26	100
Paper-III	Law of Crimes - I (Penal Code)	74	26	100
Paper-IV	Moot Court Participation and Seminar-I	-	-	100*
Paper: V	Any one of the following : a) Law Relating to Information Technology and Right to Information b) Banking Law c) Health Law	74	26	100
	Total	296	104	500

EIGHTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Drafting, Pleading and Conveyancing	74	26	100
Paper-II	Professional Ethics and Professional Accounting System	74	26	100
Paper-III	Law of Crimes-II (Criminal Procedure)	74	26	100
Paper-IV	Moot Court Participation and Seminar-II	-	-	100*
Paper: V	Any one of the following : (a) Insurance Law (b) Financial Marketing Regulation (c) Law on Education (d) AVIATION LAW & AIR TRANSPORT MANAGEMENT	74	26	100
	Total	296	104	500

* For Paper- IV : Moot Court Participation and Seminar-I & Moot Court Participation and Seminar-II are of 100 marks i.e.

Moot Courts (Every Student will give presentation at two moot courts with 30 marks each)

Court Visit
Seminar

= 60 marks
= 20 marks
= 20 marks

100 marks

PUNJABI UNIVERSITY, PATIALA
SYLLABUS

BACHELOR OF LAWS PART-IV (SEVENTH&EIGHTH SEMESTER)
(FIVE YEARS COURSE)
For 2020-21, 2021-22 and 2022-23 sessions

SCHEME OF STUDIES

SEVENTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Law of Evidence	74	26	100
Paper-II	Land Laws including Tenure & Tenancy System	74	26	100
Paper-III	Law of Crimes - I (Penal Code)	74	26	100
Paper-IV	Moot Court Participation and Seminar-I	-	-	100*
Paper: V	Any one of the following : a) Law Relating to Information Technology and Right to Information b) Banking Law c) Health Law	74	26	100
	Total	296	104	500

EIGHTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Drafting, Pleading and Conveyancing	74	26	100
Paper-II	Professional Ethics and Professional Accounting System	74	26	100
Paper-III	Law of Crimes-II (Criminal Procedure)	74	26	100
Paper-IV	Moot Court Participation and Seminar-II	-	-	100*
Paper: V	Any one of the following : (a) Insurance Law (b) Financial Marketing Regulation (c) Law on Education (d) AVIATION LAW & AIR TRANSPORT MANAGEMENT	74	26	100
	Total	296	104	500

* For Paper- IV : Moot Court Participation and Seminar-I & Moot Court Participation and Seminar-II are of 100 marks i.e.

Moot Courts (Every Student will give presentation at two moot courts with 30 marks each)

Court Visit
Seminar

= 60 marks
= 20 marks
= 20 marks

100 marks

Paper - II : Professional Ethics and Professional Accounting System

Unit-I

Historical Introduction to Legal Profession in India : Development of Legal Profession in India
Privileges and Rights of Legal Profession, Importance, Distinction from other Professions and Business.

Admission and Enrolment of Advocates, Privileges and Rights to practice of Advocate
Composition of State Bar Council and its Powers and Functions. Constitution of Disciplinary Committee, Powers, Receipt of Complaint, Disposal and Punishment.
Bar Council of India : Composition, Functions and Powers of Bar Council of India
Conducts of Advocates : Meaning and Scope of Professional and Other Misconducts
Constitution and powers of Disciplinary Committee
Punishment of Advocate for misconduct
Disciplinary powers of Bar Council of India
Disposal of disciplinary proceedings
Powers of Review, Revision and Appeal
Right to Appeal to the Supreme Court

Unit-II

Professional Ethics of Lawyers

Duties of Advocates, Duty to Public and State
Duties towards Courts
Duties towards Clients
Duties to render Legal Aid
Duties towards Opponent, Colleagues and other Residual Duties
Conflicts between interest and duty
Bench-Bar Relationship and Lawyers' Strike
The Contempt of Courts Act, 1971 : Meaning of Contempt, Categories of Contempt, Constitutional Validity of the *Contempt of Courts Act, 1971*
Constitutional Provisions Regarding Powers of the Supreme Court and the High Courts Houses of Parliament of State Legislatives for Punishing for their Contents
Nature, Scope and Salient features of the Legal Service Authorities Act, 1987.

Suggested Readings

A.N. Chaturvedi : Pleading and Conveyancing with Advocacy and Professional Ethics
Bare Act of Advocates Act, 1961 & Bar Council of India Rules
14th Law Commission of India
Dr. Ravi Karan Singh : Dispensation of Justice - Role and Accountability of Judges and Advocates, Deep & Deep, 2004.

Semester - IV

			External Assessment	Internal Assessment	Total
Psy.IV.	1.	Personality Assessment	75	25	100
Core					
Psy.IV.	2.	Research Methodology	75	25	100
Core					
Psy.IV.	3 :	Any one of the following options-100 each			
Core					
	Opt. (i)	Motivation and Emotion	75	25	100
	Opt. (ii)	Counselling Psychology	75	25	100
	Opt.(iii)	Cyber Psychology	75	25	100
	Opt.(iv)	Psychology of Sports	75	25	100
Psy.IV.	4:	Any one of the following options-100 each			
Elective					
	Opt.(i)	Psychological Issues in Human Resource Management	75	25	100
	Opt.(ii)	Clinical Psychology: Adult Psychopathology	75	25	100
	Opt.(iii)	Military Psychology	75	25	100
	Opt.(iv)	Forensic Psychology	75	25	100
Psy.IV.	5.	Practicals (Personality and Ability Testing and Computers)	30+30+15	25	100
Core					

SEMESTER - IV

PSYM24011: PERSONALITY ASSESSMENT

Max. Marks: 75

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Personality Assessment: Nature, History, Evaluations
Clinical versus Statistical Prediction

- (ii) Psychometric Tests: MMPI, CPI, EPQ-R, Cattell's 16 PF, NEO-PIR

SECTION - B

- (i) Projective Tests: Rorschach Inkblot Technique, TAT, Word Association Test, Sentence Completion Test

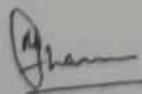
- (ii) Testing of Cultural and Linguistic Minorities

Ethical Issues in Personality Testing

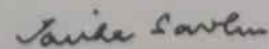
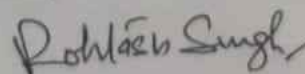
REFERENCES

1. Anastasi, A. and Urbina, S. (2004). *Psychological Testing*. Singapore: Pearson Education.
2. Corsini, R.J. and Morsella, R.J. (1983). *Personality Theories: Research and Assessment*. Illinois: Peacock.
3. Kline, P. (1983). *Personality: Measurement and Theory*. New York: St. Martin's Press.
4. Aiken, L.R. (1989). *Assessment of Personality*. Boston: Allyn and Bacon.
5. Goldstein, G. and Herson, M. (Ed.). *Handbook of Psychological Assessment*. New York: Pergamon
6. Gregory, R. (2004). *Psychological Testing: History, Principles and Application*. New Delhi: Pearson Education.

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Kamalpreet Kaur

PSYM2403(iii)T (Opt. II): COUNSELLING PSYCHOLOGY

Max. Marks: 75

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

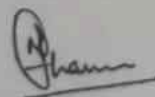
- (i) Nature, History and APA Principles of Counselling, Training of Counsellor, Ethical Issues in Counselling
- (ii) Approaches to Counselling: Psychoanalytic, Behavioural, Cognitive, Humanistic

SECTION - B

- (i) Counselling Process: Effective Counselling Relationship, Stages, Counselling Skills Counseee Appraisal: Use of Testing and Non-Testing Techniques
- (ii) Counselling Applications: School Counselling, Family Counselling, Counselling for Child Abuse, Drug Abuse, Counselling for HIV/AIDS

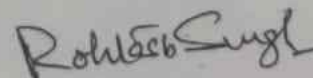
REFERENCES

1. George, R.L. and Christiani, T.S. (1990). *Counselling: Theory and Practice*. Englewood Cliffs, N.J.: Prentice-Hall.
2. Gladding, S.T. (1996). *Counselling, Comprehensive Approach*. Englewood Cliffs, N.J.: Prentice Hall.
3. Patterson, J.E. & Welfel, L.E.R. (2000). *The Counselling Process*. C.A.: Brooks/Cole.
4. Corey, G. (1996). *Theory and Practice of Counselling and Psychotherapy*. CA: Brooks/Cole.
5. Nelson-Jones, R. (1995). *The Theory and Practice of Counselling*. London: Cassel.
6. Shertzer, B., & Stone, S.C. (1974). *Fundamentals of Counselling*. Palo Alto: Houghton Mifflin Company.
7. Nystul, M. S. (2003). *Introduction to Counselling: An Art and Science Perspective*.



Kamalpreet Kaur

Sandeep Kaur



2
2018-19

Some
(2020-21)

SYLLABUS

M.A. (PUBLIC ADMINISTRATION) PART-II
(SEMESTER III & IV)
(2018-2019 & 2019-20 SESSIONS)
For Regular/Distance Education/Private Students

PAPER II : EMERGING AREAS IN INDIAN ADMINISTRATION

For Regular students Six *Periods per week per paper to be delivered.*

For Regular/Distance Education Students	For Private Students
Maximum Marks : 100	Maximum Marks: 100
Theory: : 75	
Internal Assessment: 25	

Time allowed: 3 hours
 Pass marks : 35%
 Total Teaching Periods: 75

INSTRUCTIONS FOR THE PAPER-SETTER


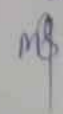
(For Regular and Distance Education Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 24 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

(For Private Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 16 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from Sections A and B of the question paper and the entire Section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines

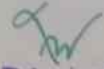
Section A

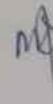

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1. Good Governance: Origin, Basic Elements of Good Governance, Challenges to Good Governance in India.
2. Citizen Centric Administration: Evolution, Features and Significance of Citizen's Charters.
3. Need for Police Reforms in India, The Supreme Court Directive of 2006 and its impact.
4. Police-Public Interface.
5. Ethics and Values in Public Service and in Public Administration, Code of Conduct.

Section B

6. Ethics in Governance; Criminalization of Politics and administration.
7. Qualities of a good administrator, Are they sufficient in present scenario.
8. Nature and Types of disasters.
9. Disaster Management: The Disaster Management Act, 2005
10. Organization and Functions of National Disaster Management Authority


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SYLLABUS
BACHELOR OF LAWS PART-III
(5YEAR COURSE) (FIFTH AND SIXTH SEMESETERS)
FOR 2019-20, 2020-21 AND 2021-22 SESSIONS
SCHEME OF STUDIES

FIFTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Legal History	74	26	100
II	Environment Law	74	26	100
III	Law of Property	74	26	100
IV	Labour and Industrial Law-I	74	26	100
V	Administrative Law	74	26	100
	Total	370	130	500

SIXTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Jurisprudence	74	26	100
II	Law of Taxation	74	26	100
III	Company Law	74	26	100
IV	Labour and Industrial Law-II	74	26	100
V	Option: Any one of the following: (a) International Organisations (b) Gender Justice (c) Media and Law	74	26	100
	Total	370	130	500

Option Paper-(b) Gender Justice

UNIT-I

Concept of Gender- Biological Distinction

- Constitutional Safeguards and Role of Judiciary.
- Convention on Elimination of All Forms of Discrimination Against Women.
- Protection of women from Domestic Violence

Gender Justice and Personal Laws

- Adoption and Guardianship Rights.
- Property and Inheritance Rights.
- Rights of Maintenance.
- Uniform Civil Code towards Gender Justice.

UNIT-II

Gender Related Crimes

- Child marriage
- Prostitution and Trafficking
- Female feticide
- Sexual harassment of Women.

Gender Justice Issues

- Women and Work
- Women and Health
- Women and Education

PUNJABI UNIVERSITY PATIALA

SYLLABUS

FOR

M.A. (SOCIOLOGY) PART-II

(For Regular/Distance Education Students)

(THIRD SEMESTER & FOURTH SEMESTER)

Session : 2020-2021 & 2021-2022



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[Signature]
Professor & Head,
Department of Sociology &
Social Anthropology,
Punjabi University, Patiala.

[Signature]
Incharge
Department of Sociology &
Social Anthropology
Punjabi University, Patiala.

16 *[Signature]*
Principal
Govt. Mohindra College
PATIALA
[Signature]

PAPER-III

GENDER AND SOCIETY

Regular/Distance Education M. Marks: 100
3hrs

Time Allowed:

Pass Marks: 25

Theory 70+Internal 30

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks.

Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B.

All questions in Section C are compulsory.

SECTION-A

- (i) Basic Concepts : Sex, gender, patriarchy, matriarchy, masculinity, femininity, gender identity. Sex Ratio and its Social Implications.
- (ii) Theories of Feminism : Liberal, radical, marxist, socialist and Post-modernist
- (iii) Women's movement in the West.
- (iv) Women's movement in India.

SECTION-B

- (i) Women and Family : (a) Role of women.
 - (i) Biological perspective.
 - (ii) Cultural perspective.
 (b) Social construction of gender.
- (ii) Women and Work : (a) Invisibility of women's work.
 - (b) Role of women in economy.
- (iii) Position of Women in : A historical perspective.
 - Indian Society.
- (iv) Emerging Issues : (a) Women in politics.
 - (b) Violence against women.

THIS PAGE CONCERNED ONLY CAMPUS STUDENTS
M.A. (PSYCHOLOGY) PART-I
(SEMESTER I & II)
SESSION 2019-20 & 2020-21

Semester-I	Paper Title	Lecture	Tutorial	Practical	Seminar	Total Credit
Psy. 1.1 Core	Systems and Theories of Psychology	5	---	---	---	5
Psy. 1.2 Core	Experimental Psychology	5	---	---	---	5
Psy. 1.3 Elective	Physiological Psychology	5	---	---	---	5
Psy. 1.4 Core	Statistics in Psychology	5	---	---	---	5
Psy. 1.5 Core	Practicals (Lab. Experiments, Computers)	10	---	5	---	5
Semester-II						
Psy. 11.1 Core	Cognitive Psychology	5	---	---	---	5
Psy. 11.2 Core	Social Psychology	5	---	---	---	5
Psy. 11.3 Elective	Environmental Psychology	5	---	---	---	5
Psy. 11.4 Core	Experimental Designs in Psychology	5	---	---	---	5
Psy. 11.5 Core	Practicals (Field Studies, Cognitive Testing, Computers)	10	---	5	---	5

OPEN ELECTIVE SUBJECT:- GENERAL PSYCHOLOGY

(QUALIFYING PAPER FOR OTHER STUDENTS)

THE SUBJECTS WHICH THE STUDENTS CAN OPT FROM MOOC WILL BE NOTIFIED BY THE DEPARTMENT SEMESTER WISE TIME TO TIME.

Sem - II

Psy. II.2: SOCIAL PSYCHOLOGY

Core Paper

Maximum Marks: 75

Total Teaching Periods: 60

Credits - 5

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) **Social Psychology:** Research Methods (Observation, Survey, Laboratory & Field Experimentation), Ethics in Experimentation & Current Trends.
Theories of Social Psychology: Social Consistency (Cognitive Dissonance Theory, Balance Theory), Social Exchange Theory, Attribution Theory (Kelley, Jones & Davis, Weiner).
- (ii) **Applied Social Psychology:** Health, Law and Organization

SECTION - B

- (i) **Social Influence Processes:**
Altruism: Theoretical Perspectives & Current Trends.
Interpersonal Attraction: Theoretical Perspectives & Current Trends.
- (ii) **Groups:** Types, Group Cohesion.
Group Behaviour: Conformity, Observation & Compliance.
Group Processes: Social Facilitation, Social Loafing

REFERENCES

1. Baron, R.A., & Byrne, D. (2000). *Social Psychology (9th Ed.)*. New Delhi: Prentice Hall of India Pvt. Ltd.
2. Bickman, L., & Rog, D.L. (1997). *Handbook of Applied Social Research*. Thousand Oaks: Sage
3. Burke, P.J. (2006). *Contemporary Social Psychological Theories*. Stanford Social Sciences.
4. Crisp & Thurer (2007). *Essential Social Psy*. London: Sage Publications Ltd.
5. Dalal, A.K., & Misra, G.(2002). *New Directions in Indian Psychology, Vol. 1. Social Psychology*. New Delhi: SAGE.
6. Daniel, P. & Cozby, P.C.(1983). *Social Psychology*. New York: CBS College Publishing Hot, Rinehart and Winston.
7. Feldman, R.S. (1995). *Social Psychology*. New Jersey: Prentice Hall.
8. Fisher, R.J. (1982). *Social Psychology-An Applied Approach*. New York: St. Martin's Press.
9. Gergen, K.J., & Gergen, M.M. (1981). *Social Psychology*. USA: Library of Congress.
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11. Mathur, S.S. (2004/05). *Social Psychology*. Agra: Vinod Pustak Mandir.
12. Misra, G. (1990). *Applied Social Psychology in India*. New Delhi: SAGE.

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SYLLABUS(FOR REGULAR AND DISTANCE EDUCATION CANDIDATES ONLY)

M.A. II (ENGLISH)
SEMESTER III & IV
SESSIONS 2019-2020
To Be Continued for 2020-21 Sessions

SEMESTER III

Core Course-IX	Literature and Modernity	Max. Marks: 100 Written Examination: 75 Marks Internal Assessment: 25 Marks Pass Marks: 35%
Core Course-X	Twentieth Century Poetry and Fiction	-do-
Core Course-XI	Literature and Gender	-do-
Elective Course-XII	One of the Following Options : (i) Literature and Post coloniality (ii) Creative Writing (iii) Modern Indian Literature in Translation	-do-

SEMESTER IV

Core Course-XIII	Literary and Cultural Theory	Max. Marks: 100 Written Examination: 75 Marks Internal Assessment: 25 Marks Pass Marks: 35%
Core Course-XIV	Indian Writing in English	-do-
Core Course-XV	American Literature	-do-
Elective Course-XVI	One the following options: (i) Literature and Politics (ii) Language and Linguistics (iii) European Drama	-do-

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CORE COURSE - XI
LITERATURE AND GENDER

Time: 3 hours

Max. Marks: 100
Written Examination: 75 Marks
Internal Assessment: 25 Marks
Pass Marks: 35%

INSTRUCTIONS FOR THE PAPER-SETTER

UNIT-I shall have two questions with internal alternative from the prescribed texts. These questions shall carry 12+11=23 marks.

UNIT-II shall have three questions, one from each prescribed text. The candidate shall attempt any two. These questions shall carry 11+11=22 marks

UNIT-III shall cover the entire syllabus and shall be of 30 marks. This question shall comprise ten short-answer questions of about 100-120 words each - two on each prescribed text and the remaining two on history/movement(s)/genre(s)/concepts pertaining to the course. Each question shall carry 3 marks.

UNIT-I

- Jean Rhys - *Wide Sargasso Sea*
- Shashi Deshpande - *That Long Silence*

UNIT-II

- Simone de Beauvoir - *The Second Sex: Introduction and Book I - Part III*
- Virginia Woolf - *A Room of One's Own*
- 'Feminisms' - an essay by Fiona Tolan from *An Oxford Guide to Literary Theory and Criticism* edited by Patricia Waugh

UNIT-III

UNIT-III shall include Units I & II and the history/movement(s)/genre(s)/concepts pertaining to the course. It shall comprise short-answer questions.

RECOMMENDED READING

Freidan, Betty	:	The Feminine Mystique
Susan Griffin	:	Woman and Nature: The Roaring Inside Her
Freedman, Jane	:	Feminism
Lola Chatterjee ed.	:	Woman Image Text
Adrienne Rich	:	Of Woman Born
Maggie Humm:	:	Feminist Criticism
Judith Evans	:	Feminist Theory Today
Maggie Fuller	:	Woman in the Nineteenth Century
Sandra Gilbert and Susan Gubar	:	Mad Woman in the Attic
Jasbir Jain, ed.	:	Women's Writing
Iqbal Kaur, ed.	:	Kate Chopin's The Awakening: Critical Essays.
Landry, Donna	:	The Spivak Reader
Roseann, P. Bell	:	Study Blacke Bridges
Nan Baian Maglin	:	The Literature of Matrilineage
Hari Prasanna	:	Image of Woman in Shashi Deshpande's Fiction: A Study

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Simone de Beauvoir

- Evans, Ruth. *Simone de Beauvoir's The Second Sex: New Interdisciplinary Essays*. Manchester University Press, 1998.
- Fallaize, Elizabeth. *Simone de Beauvoir: A Critical Reader*. Psychology Press, 1998.
- Simons, Margaret A. *Beauvoir and The Second Sex: Feminism, Race, and the Origins of Existentialism*. Rowman & Littlefield Publishers, 2001.
- . *Feminist Interpretations of Simone de Beauvoir*. Penn State Press, 2010.
- Scarth, Fredrika. *The Other Within: Ethics, Politics, and the Body in Simone de Beauvoir*. Rowman & Littlefield, 2004.
- Briggs, Julia. *Reading Virginia Woolf*. Edinburgh University Press, 2006.
- Goldman, Jane. *The Cambridge Introduction to Virginia Woolf*. Cambridge University Press, 2006.

- DiBattista, Maria. *Imagining Virginia Woolf: An Experiment in Critical Biography*. Princeton University Press, 2009.
- Bryony Randall, Jane Goldman. *Virginia Woolf in Context*. Cambridge University Press, 2012.

Virginia Woolf

- Briggs, Julia. *Reading Virginia Woolf*. Edinburgh University Press, 2006.
- Goldman, Jane. *The Cambridge Introduction to Virginia Woolf*. Cambridge University Press, 2006.
- DiBattista, Maria. *Imagining Virginia Woolf: An Experiment in Critical Biography*. Princeton University Press, 2009.
- Bryony Randall, Jane Goldman. *Virginia Woolf in Context*. Cambridge University Press, 2012.
- Rosenman, Ellen Bayuk. *A Room of One's Own: Women Writers and the Politics of Creativity*. Twayne Publishers, 1995.

Jean Rhys

- Carl Plasa. *Jean Rhys: Wide Sargasso Sea*. Palgrave Macmillan, 2003.
- Elaine Savory. *Jean Rhys*. Cambridge University Press, 1998.
- Veronica Marie Gregg. *Jean Rhys's historical imagination: reading and writing the Creole*. University of North Carolina Press, 1995.
- Pierrette M. Frickey. *Critical Perspectives on Jean Rhys*. Lynne Rienner Publishers, 1990.

Shashi Deshpande

- | | | |
|------------------|---|--|
| Atrey, Mukta and | : | Shashi Deshpande: A Feminist Study of Her Fiction |
| Kirpal Viney | : | Indian Women Novelists |
| Dhawan, R.K. | : | The Fiction of Shashi Deshpande |
| Pathak, R.S. | : | Indian Women Novelists and Psychoanalysis |
| Rajeshwar, M. | : | Patterns of Feminist Consciousness in Indian Women Writers |
| Roy, Anuradha | : | |

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Semester System

Session 2019-20 & 2020-21

Note: Complete **M.A (Sociology)** Course carries 80 Credits and each paper carries 5 credits (4 Lecture +1Tutorial)

(This Scheme is for University Regular Students only)

Semester- I

Core Papers

Credits

Paper-1 General Sociology 5(4L+1T)

Paper-2 Sociological and Anthropological Theory-I

5(4L+1T)

Paper-3 Indian Society

5(4L+1T)

Elective Paper:-

Paper-4 Methodology and Social Research-I

5(4L+1T)

Semester- II

Core Papers

Credits

Paper-1 Sociological and Anthropological Theory-II

5(4L+1T)

Paper-2 **Social Change and Social Problems in Indian**

5(4L+1T)

Paper-3 Prospective on Indian Society

5(4L+1T)

Elective Paper

Paper-4 Methodology and Social Research-II

5(4L+1T)

Important: Availability of number of seats in an elective course is subject to the space and faculty constraints of the host department.

Open Elective Subject: INTRODUCTORY SOCIOLOGY
(Qualifying Paper for other students in IInd Semester)

The subjects which the students can opt from MOOCS will be notified by the department semester wise time to time.

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PAPER-II
SOCIAL CHANGE AND SOCIAL PROBLEMS IN INDIA
 (Subject Code: SOC1206T)

Regular/Distance Education M. Marks: 100
 Pass Marks: 25
 Theory 70+Internal 30

Time Allowed: 3hrs

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10% marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B. Section C is compulsory.

SECTION-A

- | | | |
|------|-----------------------------|---|
| (i) | Processes of Social Change: | Sanskritization, Westernization, Modernization. |
| (ii) | Factors Social Change: | Industrialization, Urbanization, Globalization and Education |
| (i) | Social movements: | Definition, Nature, Characteristics and Types. |
| (ii) | Social Movements in India: | Peasant, Women's, Backward Classes, Dalit, Ethnic and Tribal. |

SECTION-B

- | | | |
|-------|---|--|
| (i) | Social Problems: | Meaning, Causes and Characteristics. |
| (ii) | Theories of Social Problems: | Social Disorganization Approach, Value Conflict Approach, Cultural Lag Approach. |
| (iii) | Population problems, Poverty, Unemployment. | |
| (iv) | Problems of the aged, Physically challenged; crime; corruption, | |

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	(iii) Military Psychology					
	(iv) Forensic Psychology					
Paper V Core	Practicals (Personality and Ability Testing, Computers)	100	10	---	5	5

THE SUBJECTS WHICH THE STUDENTS CAN OPT FROM MOOC WILL BE NOTIFIED BY THE DEPARTMENT SEMESTER WISE TIME TO TIME.

**M.A. (PSYCHOLOGY) PART-II
(SEMESTER III & IV)
SESSIONS:- 2019-2020 AND 2020-2021**

Note: Papers 1, 2, and 5 are compulsory. Students will select any one optional paper from papers - 3 and 4

Semester - III

		External Assessment	Internal Assessment	Total
Psy.III. Core	1. Personality Theories	75	25	100
Psy. III. Core	2. Psychometrics	75	25	100
Psy. III. Elective	3 : Any one of the following options -100 each			
	Opt. (i) : Intelligence and Creativity	75	25	100
	Opt. (ii) : Life Span Development	75	25	100
	Opt.(iii) : Health Psychology	75	25	100
	Opt.(iv) : Positive Psychology	75	25	100
Psy. III. Core	4 : Any one of the following options -100 each			
	Opt.(i) : Organizational Behaviour	75	25	100
	Opt.(ii) : Clinical Psychology : Child Psychopathology	75	25	100
	Opt.(iii) : Cross Cultural Psychology	75	25	100
	Opt.(iv) : Criminal Psychology ²⁵	75	25	100
Psy. III.	5. Practicals (Personality and Ability Testing and Computers)	30+30+15		75

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PSY. III. 1. PERSONALITY THEORIES

Marks : 75

Total Teaching Periods : 60

Minimum Marks : 35%

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines. .

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) **Personality:** Concept, Assumptions concerning Human Nature. Nature of Personality Theory.
- (ii) **Psychoanalytic Theory and Post Freudian Developments:** Freud, Jung, Adler, Fromm, Horney Erikson.

SECTION - B

- (i) **Trait Theories:** Allport, Cattell, Eysenck, Big Five Model.
- (ii) **Social Learning Theory:** Bandura
Cognitive Theory: Kelley's Personal-Construct Theory
Humanistic Phenomenological Perspective: Rogers, Maslow

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REFERENCES

- Corsini, R.J. and Morselia, R.J. : Personality Theories, Research and Assessment. Illinois : Peacock.
- Hall, C.S., Lindzey, J.C. and Manosevitz, M. (1985) : Introduction to Theories of Personality. New York : John Wiley & Sons.
- Kline, P. (1983). Personality, Measurement and Theory. New York : St. Martin's Press.
- Robert, E.B. (1993). Theories of Personality. London : Lawrence Erlbaum Associates.
- Pervin L.A. (1984). Personality Theories, Assessment and Research New York : John Wiley & Sons.
- Hjelle and Ziegler (1992). Personality Theories. Singapore : McGraw Hill.
- Aitken, L.R. (1989). Assessment of Personality. Boston : Allyn and Bacon.
- Friedman, H.S. and Schustack, M.W. (2004). Personality : Classic Theories and Modern Research. Singapore : Pearson Education.

Max. Marks : 75

Total Teaching Periods : 60

Minimum Marks : 35%

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) **Health Psychology** : Nature, Models of Health behaviour (Biopsychosocial model, Health belief model, Precaution adoption process model).
- (ii) **Stress** : Concept, Models of Stress, Lazarus & Folkman, Selye, Type A,B,C,D Behaviours.

Stress management strategies : Biofeedback, MusicTherapy, Progressive Muscular Relaxation, Guided Imagery, Meditation, Yogasana, Stress Inoculation Training

SECTION - B

- (i) **Alcoholism , Smoking, Obesity, HIV/AIDS**: Causes, Prevention and Treatment.
Coronary heart disease: Causes, Prevention and Treatment
- (ii) **Life Style and Health** : Changing Health Beliefs and Attitudes, Nutrition, Exercise.

REFERENCES

- Taylor, S.E. (1991). *Health Psychology*. U.S.A. : McGraw Hill.
- Kaptein, A. (2004). *Health Psychology*. London : Blackwell Scientific Publications.
- Michie, S. (2004). *Health Psychology in Practice*. London : Blackwell Scientific Publications.
- Bloom, B.L. (1988). *Health Psychology : A Psychological Perspective*. Englewood Cliffs. N.J : Prentice Hall.

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- Brannon, L., & Fiesta, J. (2000). *Health Psychology*. Singapore: Woodworth/Thomson Learning.
- Bloom, B. L. (1988). *Health Psychology: A Psycho-Social Perspective*. NJ: Prentice Hall, Inc.
- Misra, G., & Dalal, A. (2006). *Stress and Health*. New Dehli: Concept.
- Singh, R., Yadava, A. & Sharma, N. R. (2005). *Health Psychology*. New Delhi: Global Vision
- Taylor, S.E. (1999). *Health Psychology*. Singapore: McGraw Hill Book Co.

Psy. III. 3.. Opt. (ii) : LIFE SPAN DEVELOPMENT

Max. Marks : 75

Total Teaching Periods : 60

Minimum Marks : 35%

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections: A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from the sections A and B and the entire section C. The candidates are required to answer each short type question in 50 words i.e. In 7-8 lines. Each short answer type question will carry 3 marks.

SECTION - A

- (i) **Life Span Development** : Concept, Principles

Pre-natal Development : Stages, Factors, Hazards.

- (ii) **Infancy and Childhood** :

Cognitive Development : Piaget

Moral Development : Kohlberg

Language Development : Chomsky

Socio - Cultural Development : Vygotsky.

SECTION - B

- (i) **Puberty & Adolescence** : Bodily changes

Identity Formation : Erikson, Marcia.

Parenting : Diana Baumrind

- (ii) **Adulthood** :

Marriage, Family and Work : Levinson, Vaillant

Adjustment Problems in Old Age : Physical, Emotional & Cognitive

Grieving, Dying, Death

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REFERENCES

- Sigelman, C.K., & Rider, E. A. (2005). *Life -Span Human Development*. New Delhi : Cengage

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SEMESTER - III**PSY. III. 1. PERSONALITY THEORIES**

Max. Marks : 75

Total Teaching Periods : 60

Minimum Marks : 35%

Time Allowed : 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections: A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from the sections A and B and the entire section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines. Each short answer type question will carry 3 marks.

SECTION - A

- (i) **Personality** : Concept, Assumptions concerning Human Nature. Nature of Personality Theory.
- (ii) **Psychoanalytic Theory and Post Freudian Developments** : Freud, Jung, Adler, Fromm, Erikson.

SECTION - B

- (i) **Trait Theories** : Allport, Cattell, Eysenck, Big Five Model.
- (ii) **Social Learning Theory** : Bandura

Cognitive Theory : Kelley's Personal-Construct Theory

Humanistic Phenomenological Perspective : Rogers, Maslow

REFERENCES

- Corsini, R.J. and Morselia, R.J. : Personality Theories, Research and Assessment. Illinois : Peacock.
- Hall, C.S., Lindzey, J.C. and Manosevitz, M. (1985) : Introduction to Theories of Personality. New York : John Wiley & Sons.
- Kline, P. (1983). Personality, Measurement and Theory. New York : St. Martin's Press.
- Robert, E.B. (1993). Theories of Personality. London : Lawrence Erlbaum Associates.
- Pervin L.A. (1984). Personality Theories, Assessment and Research New York : John Wiley & Sons.
- Hjelle and Ziegler (1992). Personality Theories. Singapore : McGraw Hill.
- Aitken, L.R. (1989). Assessment of Personality. Boston : Allyn and Bacon.
- Friedman, H.S. and Schustack M.W. (2001) :

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All UG Courses - IInd Year (3rd Semester)
Environmental and Road Safety Awareness
Session: 2019-20, 2020-21 & 2021-22

Total Marks : 100
Theory : 60 marks
Internal Assessment: 15
(5 for Attendance & 10 for MST)
Mandatory field visit to PG
Science City & Report : 25 Marks

Max Time: 3 hrs.
Lectures per week 5
Credits: 04

INSTRUCTIONS FOR THE PAPER SETTERS (Regular Students)

The question paper will consist of three sections A, B and C. Each of sections A and B will have four questions from the respective sections of the syllabus. Each question shall carry 9 marks. Section C will consist of 12 short answer type questions of 2 marks each.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt any two questions from each section A and B. Section C is compulsory.

PRIVATE/DISTANCE EDUCATION STUDENTS

Max Marks: 100

Max Time: 3hrs.
Lectures per week 5

INSTRUCTIONS FOR THE PAPER SETTERS

The question paper will consist of three sections A, B and C. Each of sections A and B will have four questions from the respective sections of the syllabus. Each question shall carry 15 marks. Section C will consist of 20 short answer type questions of 2 marks each.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt any two questions from each section A and B. Section C is compulsory.

SECTION-A

INTRODUCTION TO ENVIRONMENTAL STUDIES:

The multidisciplinary nature of environmental studies. Definition, scope and importance

Concept of Biosphere – Lithosphere, Hydrosphere, Atmosphere.

ECOSYSTEM & BIODIVERSITY CONSERVATION

Ecosystem and its components, Types of Ecosystems

Biodiversity - Definition and Value, Threats to biodiversity and its conservation

Level of biological diversity: genetic, species and ecosystem diversity; biogeographic zones of India; biodiversity patterns and global biodiversity hot spots.

India as Mega-biodiversity nation; Endangered and endemic species of India.

Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and informational value.

NATURAL RESOURCES-RENEWABLE AND NON RENEWABLE RESOURCES

Land resources and land use change; land degradation, soil erosion and desertification.

Deforestation: causes and impacts due to mining, dam building on environment, Forests, Biodiversity and tribal populations.

Water: Use and over-exploitation of surface and ground water, Floods, droughts, conflicts over water (International & Inter-state)

Energy resources: renewable and nonrenewable energy sources, use of alternate energy sources, growing energy needs, case studies.

Environmental Pollution

Environmental Pollution : types, causes, effects and controls; Air, Water, Soil and noise pollution. Nuclear hazards and human health risks Solid waste management, Source Segregations : Control measures of urban and Industrial waste. Pollution case studies.

SECTION-B

ENVIRONMENTAL PROTECTION LAWS IN INDIA

Environmental protection act for; Air (Prevention and control of pollution), Water (Prevention and Control of pollution), Wild life, Forest Conservation, Issues involved in the enforcement of environmental legislation. Role of an individual in prevention of pollution.

Environmental policies & Practices; Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture.

Human Communities and the Environment

Human population growth: Impacts on environment, human health and welfare, Sanitation & Hygiene. Resettlement and rehabilitation of project affected persons; case studies. Disaster management: floods, earthquake, cyclones and landslides. Environment movements: Chipko, Silent valley, Bishnois of Rajasthan. Environmental ethics: Role of Indian and other religions and cultures in environmental conservation for a Clean-green pollution free state.

Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi)

ROAD SAFETY AWARENESS

Concept and significance of Road safety, Traffic signs, Traffic rules, Traffic Offences and penalties, How to obtain license, Role of first aid in Road Safety.

Stubble Burning

Meaning of Stubble burning.

Impact on health & environment.

Management and alternative uses of crop stubble.

Environmental Legislations and Policies for Restriction of Agriculture Residue Burning in Punjab.

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Field Work

Visit to an area to document environmental assets: river/Forest/Flora/Fauna, etc.

Visit to Local polluted site -urban/Rural/Industrial/Agricultural.

Study of common Plants, Insects, Birds and basic principles of identification.

Study of simple ecosystems-pond, river, Delhi Ridge, etc.

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SYLLABUS

B.Sc. (Botany) Part-III (Semester-V and VI)
(Session 2019-20, 2020-21 and 2021-22)

Semester-V**THEORY**

	External Marks	Internal Assessment
Paper IX: Plant Physiology	40	15 (Attendance: 3 + Assignment: 12)
Paper X: Plant Growth, Development and Biotechnology	40	15 (Attendance: 3 + Assignment: 12)

PRACTICAL

Pertaining to Theory Paper IX:	40	-
Pertaining to Theory Paper X:		

Total Marks (Semester-V)

Theory	80 Mar
Practical	40 Mar
Internal Assessment Pertaining to Theory Paper IX & X	30 Mar
Total	: 150 Mar

Semester-VI**THEORY**

	External Marks	Internal Assessment
Paper XI: Plant Ecology	40	15 (Attendance: 3 + Assignment: 12)
Paper XII: Plant Utilization	40	15 (Attendance: 3 + Assignment: 12)

PRACTICAL

Pertaining to Theory Paper XI:	40	
Pertaining to Theory Paper XII:		

Total Marks (Semester-IV)

Theory	80 Mar
Practical	40 Mar
Internal Assessment Pertaining to Theory Paper XI & XII	30 Mar
Total	: 150 Mar

Note:

- 1) The number of teaching hours per week will be three for each theory paper and practical in every semester. In all, there will be 12 teaching hours per week - theory and practical requirements. (Six teaching hours for theory and Six teaching hours for practical per week)
- 2) Practical paper in each semester will be of 3 hours. The timing of practical examination will be 9.00 am to 12.00 noon.

SEMESTER-VI: PAPER - XI: PLANT ECOLOGY

Max. Marks: 30
Pass Marks: 35%

Lectures to be delivered: 45
(Each of 45 minutes duration)
Time Allowed: 3 Hours

INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions each from the respective sections of the syllabus and will carry 5 marks each. Section C will consist of 5 short-answer type questions which will cover the entire syllabus uniformly and will carry 10 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt four questions selecting two questions from each section A and B. The entire section C is compulsory.

Section-A

1. Concept of ecology and its scope. Environmental factors: climatic, edaphic, topographic and biotic, Shelford's law of tolerance.
2. Population ecology: Characteristics, positive and negative interaction, growth forms, carrying capacity, ecotypes and ecads.
3. Community ecology: Community characteristics, frequency, density and abundance, cover, life forms. ecological succession (Hydrosere, Xerosere). Gause principle of competitive exclusion.
4. Structure and concept of ecosystem, ecological pyramids, food chain, food web, ecological energetics, ecological productivity.

Section-B

5. Environmental issues: Brief idea of air, water, noise and soil pollution. Global warming and ozone depletion. International efforts for mitigation of global climate change.
6. Biodiversity: Types and conservation, concept of hot spots, biomes, phytogeographic regions of India, vegetation types (Forests, Grasslands, Wetlands).
7. Ecological adaptations in xerophytes, hydrophytes and halophytes.
8. Biogeochemical cycles with particular reference to C, N and P.

RECOMMENDED READINGS

1. Begon, M., Townsend, C.R. & Harper, J.L. 2006. *Ecology: From Individuals to Ecosystems*. (4th Edition) Blackwell Publishers, Australia.
2. Gurevitch, J., Scheiner, S.M. and Fox, G.A. 2006. *The Ecology of Plants* (2nd Edition). Sinauer Associates Inc, Pub. USA.
3. Kormondy, E.J. 1996. *Concepts of Ecology*. Prentice-Hall of India Pvt. Ltd., New Delhi.
4. Mackenzie, A. et al. 1999. *Instant Notes in Ecology*, Viva Books Pvt. Ltd., New Delhi.
5. Mcknney, M.L., Schoch, R.M. & Yonaujak, L. 2007. *Environmental Science: Systems and Solutions* (4th Edition). John and Bartl. Pub., USA.
6. Odum, E.P. 1983. *Basic Ecology*, Saunders, Philadelphia.
7. Omasa, K. Saji, H., Youssefian, S. and Kondo, N. 2005. *Air pollution and Plant Biotechnology: Prospects for Phytomonitoring and Phytoremediation*. Springer-Verlog, Tokyo, Japan.

SUGGESTED LABORATORY EXERCISES PERTAINING TO THEORY PAPERS: PLANT ECOLOGY AND PLANT UTILIZATION:

Teachers may select plant/material available in their locality/institution.

1. To determine minimum number of quadrats required for study of a grassland.
2. To study the frequency of herbaceous species in grassland and to compare the frequency distribution with Raunkiaer's Standard Frequency Diagram.
3. To estimate Importance Value Index (IVI) for grassland species on the basis of relative frequency, relative density and relative biomass in protected and grazed grassland.
4. To measure the vegetation cover of a grassland through point frame method.
5. To measure the above ground plant biomass in a grassland.
6. To determine Kemp's constant for dicot and monocot leaves and to estimate the leaf area index of a grassland community.
7. To determine diversity indices (Richness, Simpson, Shannon Wiener) in grazed and protected grassland.
8. To estimate bulk density and porosity of grassland and woodland soil.
9. To determine moisture content and water holding capacity of grassland and woodland soil.
10. To study the vegetation structure through profile diagram.
11. To estimate transparency, pH and temperature of different water bodies.
12. To measure dissolved oxygen content in polluted and unpolluted water samples.
13. To estimate salinity of different water samples.
14. To determine the per cent leaf area injury of different leaf samples collected around polluted sites.
15. To demonstrate dust holding capacity of the leaves of different plant species.
16. Food Plants: Study of the morphology, structure and simple micro chemical tests of the food storing tissues in rice, wheat, maize, potato and sugarcane. Microscopic examination of starch in these plants (excepting sugarcane).
17. Fibres: Study of cotton flower, sectioning of the cotton ovules/developing seeds to trace the origin and development of cotton fibres. Microscopic study of cotton and test for cellulose. Sectioning and staining of jute stem showing the location and development of fibres. Microscopic structure. Tests for ligno-cellulose.
18. Vegetable Oils: study of hand sections of groundnut, mustard and coconut and staining of oil droplets with Sudan III and Sudan Black.
19. Field Visits: To study sources of firewood (10 plants), timber-yielding trees (10 trees) and bamboos. A list to be prepared mentioning special features.
20. Spices: Examine Black pepper, cloves, cinnamon (hand sections) and open fruits of cardamom and describe them briefly.
21. Preparation of an illustrated inventory of 10 medicinal plants and use their in indigenous systems of medicine of allopathy: Write their botanical and common names, parts used and diseases/disorders for which they are prescribed.
22. Beverages: Section of boiled coffee beans and tea leaves to study the characteristic structural features.

SUGGESTED READINGS FOR LABORATORY EXERCISES IN PLANT ECOLOGY AND PLANT UTILIZATION

1. APHA- *Standard Methods for the Examination of Water and Waste Water*. American Public Health Association, Washington, D.C.
2. Krebs, C.J. 1989. *Ecological Methodology*. Harper and Row, New York, USA.

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SYLLABUS**B.Sc. (Zoology) Part-I (Semester-I and II)**
(Session 2020-21, 2021-22 and 2022-23)**Semester-I****THEORY**

	External Marks	Internal Assessment
Paper-I : Cell Biology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-II : Non-chordates	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)

PRACTICAL

Pertaining to Theory Paper-I and Theory Paper-II:	40
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Total Marks (Semester-I)

Theory	80 Marks
Practical	40 Marks
Internal Assessment pertaining to Theory Paper I & II	30 Marks
Total	: 150 Marks

Semester-II**THEORY**

	External Marks	Internal Assessment
Paper-III : Ecology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-IV : Chordates	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)

PRACTICAL


Pertaining to Theory Paper-III and Theory Paper-IV :	40
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Total Marks (Semester-II)

Theory	80 Marks
Practical	40 Marks
Internal Assessment pertaining to Theory Paper III & IV	30 Marks
Total	: 150 Marks

Note:

- 1) The number of teaching hours per week will be three for each theory paper and three for each practical in every semester. In all, there will be 12 teaching hours per week covering both theory and practical requirements. (Six teaching hours for theory and Six teaching hours for practical per week)
- 2) There will be one Practical paper of 3 hours pertaining to the theory papers I & II in each semester. The timing of practical examination will be 9.00 am to 12.00 noon.


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B.A

SEMESTER-II

PAPER-III: ECOLOGY

Max. Marks: 55

Pass marks: 35%

Theory-40

Internal Assessment : 15

Time Allowed: 3 hours

Lectures to be delivered: 45

(Each of 45 minutes duration)

INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 6 marks each. Section C will consist of 8 short-answer type questions which will cover the entire syllabus uniformly and will carry 16 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C, which is compulsory.

SECTION-A

1. Ecological Hierarchy, Sub divisions of ecology, Relation and scope of Ecology.
2. Environmental Factors: Liebig's law of minimum, Shelford's law of tolerance , Concept of limiting factors , Physical factors of the environment and their effect on animals Topography, light , temperature , water, Humidity.
3. Population: Characteristics-Size & density, Natality, Mortality, Dispersion, Age structure. Biotic potential and Environment resistance, r and K strategies
4. Population Dynamics & Regulation: Population Growth curves (I and J) , Survivorship curves, Population cycles - Density dependent and Density independent, Regulation of population.

SECTION-B

5. Biotic Community:General Characteristics, Food chain (Linear and Y-shaped), Food web, Flow of Energy, Ecological Pyramids, Productivity. Niche: Niche Concept, Types of Niche-Spatial, Trophic , Multidimensional; Gause's Principle, Lotka-Volterra equation for competition, Ecotone and edge effect

6. Biotic Interactions: Intra specific interactions and Inter specific interactions (Antagonism : Competition, Predation, Parasitism, Ammensalism; Beneficial : Commensalism , Proto cooperation, Mutualism).

7. Wild life: Importance, need of conservation, conservation strategies, projects for endangered species, project tiger, crocodile breeding project, Gir lion sanctuary project, vulture breeding project.

Books Recommended

1. Kormondy E. J., *Concepts of Ecology*, Englewood Cliffs, N.J. Prentice Hall Inc., 1975.
2. Krebs C. J., *Ecology*, Harper & Row, New York, 1982.
3. E.P. Odum, *Fundamentals of Ecology*, W.B. Saunders Co., Philadelphia, 1995.
4. Dhami P. S. & Dhami J. K., *Invertebrates*, R. Chand & Co., New Delhi, 2001.
5. Barnes, R.D., *Invertebrates Zoology*, W.B. Saunders Philadelphia, 1999.
6. Cooper, G.M., Hausman, R.E. (2009) *The Cell: A molecular approach*. ASM Press and Sinauer Associates (Fifth Edition).
7. Karp, G. (2010). *Cell and Molecular Biology: Concepts and Experiments* (Sixth Edition) John Wiley & Sons Inc.

PAPER-IV : CHORDATES

Max. Marks: 55

Pass marks: 35%

Theory-40

Internal Assessment : 15

Time Allowed: 3 hours

Lectures to be delivered: 45

(Each of 45 minutes duration)

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INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 6 marks each. Section C will consist of 8 short-answer type questions (8 to 10 lines) which will cover the entire syllabus uniformly and will carry 16 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C, which is compulsory.

SECTION-A

1. Brief classification of Chordata, Chordate characters, Origin of Chordata

Punjabi University, Patiala

B.Sc. (Hons.) Biotechnology Part II

CHOICE BASED CREDIT SYSTEM

Academic Session 2019-2020, 2020-21 & 2021-22

Subject and Distribution of Marks

B.Sc. (Hons.) Biotechnology Part II (3rd Semester)

SEMESTER III					
Sl. No and Code	Name of paper	Credit per Week	Internal Marks*	External Marks	Total Marks
1-BHB12	Genetics	4	26	74	100
2-BHB13	General Microbiology	4	26	74	100
3-BHB14	Spectroscopic Techniques-I st Chemistry-3	4	26	74	100
4-BHB15	Enzymology	4	26	74	100
5-BHB16	Environmental Biotechnology, Ecology & Environment Management	4	26	74	100
6-BHB121	Practical Pertaining to Theory C5-BHB12	2	---	50	50
7-BHB131	Practical Pertaining to Theory C6-BHB-13	2	---	50	50
8-BHB141	Practical Pertaining to Theory C7-BHB-14	2	---	50	50
9-BHB151	Practical pertaining to theory SEC1-BHB15	2	---	50	50
10-BHB161	Practical pertaining to theory GE4-BHB16	2	---	50	50
Total		30	130	620	750

Note: *Weight age of different components in internal assessment is as: Attendance- 20%, written assignment/project work/Seminar/Industrial visit- 40%, two- mid semester Tests/Internal Examination- 40%

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PAPER II
ENVIRONMENTAL BIOTECHNOLOGY

Max. Marks: 52
Pass Marks: 35%

Lectures to be delivered: 75
(Each of 45 minutes duration)
Time Allowed: 3 Hours

INSTRUCTIONS FOR INTERNAL ASSESSMENT

The internal assessment (18 marks) would comprise of 4.0 marks for attendance of candidates, 7.0 marks for assignment and 7.0 marks for internal test. Two tests would be conducted by the concerned teacher during the semester and the average of the two would be considered for internal assessment.

INSTRUCTIONS FOR THE PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective section of syllabus and will carry 8 marks each. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 20 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C.

SECTION - A

1. Introduction: Brief introduction to environment; Indicators of pollution: Physicochemical and Biological
2. Air pollution: Units of measurements, sources of pollutants and hazards.
3. Soil pollution: sources of pollutants and hazards.
4. Water pollution: sources of pollutants and hazards.
5. Waste-water treatment: a) Aerobic: Brief account of activated sludge reactors, aerated ponds and lagoons, trickling filters.
b) Anaerobic waste-water treatment: Outline of biogas production, up-flow anaerobic sludge blanket reactor, anaerobic filter reactor, contact reactor, factors affecting process operation, status of biogas production in India.

SECTION - B

6. Vermicomposting: Vermicomposting process, types of vermicomposting systems, vermicomposting product, waste management by vermicomposting, effect of wastes vermicompost on the growth and yield of plants.
7. Bioremediation: General description of bioremediation and application of biotechnology; Removal/remediation of heavy metals, pesticides and xenobiotics, paper, dye and textile industry effluents.
8. Pollutant monitoring I: Biosensors: Introduction Principle and Applications for the detection of heavy metal ions, pesticides and pathogens.
9. Pollutant monitoring II: Principle, working and applications of GC and HPLC.
10. Pollutant monitoring III: Spectroscopic techniques for monitoring pollutants.

Recommended Readings:

1. *Industrial Water Pollution* (1998) by W. Wistley Elbendelds, Jr, McGraw Hill International, India.
2. *Biotechnology-Application to Environmental Protection* (1993) by M.M. Pandey, Himalaya Publishing House, India.
3. *Commercial Biotechnology-An International Analysis* (1984) by United States, Office of Technology Assessment, DIANE Publishers, USA.
4. *Advances in Industrial Waste Water Treatment* (1999) by P.K. Goel, Technnoscience Publications, India.
5. *Environmental Engineering* (1988) by H.S. Peavy and D.R. Rowe, McGraw Hill International, India.
6. *Recent books need to be added*

PRACTICALS


Max Marks: 30

Pass Marks: 35%

List of Practicals

1. Determination of TS, TDS and TSS in an industrial effluent.
2. Determination of BOD of an industrial effluent.
3. Determination of COD of an industrial effluent.
4. Estimation of Cr(VI) content in electroplating industrial effluent by spectrophotometer method.
5. Estimation of Ni(II) content in electroplating industrial effluent by spectrophotometer method.
6. Demonstration of biogas production.
7. Bioremediation of heavy metal ions/pesticides/dye or textile effluent.
8. Demonstration of vermicomposting.

Practical Performance	: 22 Marks
Viva-Voce	: 5 Marks
Practical Record	: 3 Marks


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*Some fee
2020-21
2021-22*

**SYLLABUS
BACHELOR OF LAWS PART-III
(5YEAR COURSE) (FIFTH AND SIXTH SEMESETERS)
FOR 2019-20, 2020-21 AND 2021-22 SESSIONS
SCHEME OF STUDIES**

FIFTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Legal History	74	26	100
II	Environment Law	74	26	100
III	Law of Property	74	26	100
IV	Labour and Industrial Law-I	74	26	100
V	Administrative Law	74	26	100
	Total	370	130	500

SIXTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Jurisprudence	74	26	100
II	Law of Taxation	74	26	100
III	Company Law	74	26	100
IV	Labour and Industrial Law-II	74	26	100
V	Option: Any one of the following: (a) International Organisations (b) Gender Justice (c) Media and Law	74	26	100
	Total	370	130	500


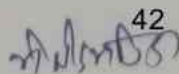
2019-20, 20+21, 21-22

Paper-II:- Environmental Law**UNIT-I**

- Meaning, Definition & Kinds of Pollution, Pollution by Fireworks.
- Ecology System.
- Factors Affecting the Environment in India.
- General Legal Provisions relating to Control of Pollution.
- Constitution of India Articles 21, 48A, 51A(g).
- Code of Civil Procedure Section 91.
- Code of Criminal Procedure Section 133.
- Indian Penal Code Ss. 268, 270, 278, 290.
- Law of Torts and Judicial Remedies.
- Environment Protection Act, 1986.
- Salient Features of National Green Tribunals Act, 2010.
- Salient Features of Sustainable Development.
- Role of Judiciary in India for the protection of Environment.
- Principles of Stockholm Declaration on the Human Environment 1972.
- Principles under the Rio Declaration on Environment & Development 1992.

UNIT-II

- The Water (Prevention and Control of Pollution) Act, 1974.
- Definition Clause
- Constitution of Central and State Board and its functions
- Joint Boards
- Power to take samples of effluents and result of analysis on samples

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- Restriction on New outlets and new Discharges
- Emergency measures in case of pollution of stream or well
- Cognizance of offences and penalties
- Appeals
- The Air (Prevention and Control of Pollution) Act, 1981. Problem of Stubble burning
- Definition Clause
- Constitution of Central and State Board and terms, conditions and disqualification of members.
- Functions of Central and State Board
- Power to take samples of Air pollutant emissions and result of analysis
- Restriction on use of certain industrial plants
- State Air laboratory
- Cognizance of offences and penalties
- Appeals
- Problem of stubble burning

Noise Pollution and Law.

- Meaning, Concept and Effects of Noise Pollution
- Legislative measures to Control Noise Pollution
- Noise Pollution and Constitution Provisions

Wild Life Protection Act, 1972

- Constitution of National Board and Functions of National Board
- Constitution of State Board and Duties of State Board
- Prevention and Detection of Offences
- Penalties

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SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-I
SESSION 2020-21 and 2021-22

Code	Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>					
101	Paper I. Fundamentals of Geomorphology	5	65	100	3 hrs.
102	Paper II. Man and Environment	5	65	100	3 hrs.
103	Paper III. Geography of India	5	65	100	3 hrs.
105	Paper V. Map Work and Practical Geography (Cartography)	5	90	100	6 hrs.
<u>ELECTIVE PAPERS</u>					
104	Paper IV:				
104 (i)	Option (i) Geography of Settlements with Special Reference to India	5	65	100	3 hrs.
104 (ii)	Option (ii) Economic Geography	5	65	100	3 hrs.

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-II
SESSION 2020-21 and 2021-22

Code	Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>					
106	Paper I. Remote Sensing and Geographic Information System	5	65	100	3 hrs.
107	Paper II. Human Impact on Environment: Issues & Perspectives	5	65	100	3 hrs.
108	Paper III. Geography of Regional Planning & Development	5	65	100	3 hrs.
110	Paper V. Map Work & Practical Geography (Morphometric Analysis & Air Photo Interpretation).	5	90	100	6 hrs.
<u>ELECTIVE PAPERS</u>					
109	Paper IV:				
109 (i)	Option (i) Applied Geomorphology	5	65	100	3 hrs.

PAPER - II : MAN AND ENVIRONMENT

Max. Marks: 100
Internal Assessment: 30 Marks
Periods: 65
Written Paper: 70 Marks
Pass Marks: 35%

Time Allowed: 3 Hours
Total Teaching

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective section of the Syllabus and each question will carry 10 marks. Section C will consist of 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
- (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) Candidates are required to attempt two questions each from the sections A and B of the question paper and the entire section C.
- (ii) Candidates are allowed to use outline stencil maps of the world continents/countries. They are also allowed to use simple calculators.

SECTION-A

Man and his environment

- (i) Environment: Meaning of Environment, Approaches to the study of environment, Historical perspective on man & environment relationship. 6 Periods
- (ii) Ecology & Ecosystem: Meaning and concept of ecology, sub-divisions. 5 Periods
- (iii) Ecosystem: Meaning, types of ecosystems, structure and functions of ecosystems. 6 Periods

Energy, Material and Biogeochemical Cycles

- (iv) Energy & Material Cycling in Ecosystem: Food chains and food web, Energyflow in ecosystem by grazing and

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SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-I
SESSION 2020-21 and 2021-22

Code	Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>					
101	Paper I. Fundamentals of Geomorphology	5	65	100	3 hrs.
102	Paper II. Man and Environment	5	65	100	3 hrs.
103	Paper III. Geography of India	5	65	100	3 hrs.
105	Paper V. Map Work and Practical Geography (Cartography)	5	90	100	6 hrs.
<u>ELECTIVE PAPERS</u>					
104	Paper IV:				
104 (i)	Option (i) Geography of Settlements with Special Reference to India	5	65	100	3 hrs.
104 (ii)	Option (ii) Economic Geography	5	65	100	3 hrs.

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-II
SESSION 2020-21 and 2021-22

Code	Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>					
106	Paper I. Remote Sensing and Geographic Information System	5	65	100	3 hrs.
107	Paper II. Human Impact on Environment: Issues & Perspectives	5	65	100	3 hrs.
108	Paper III. Geography of Regional Planning & Development	5	65	100	3 hrs.
110	Paper V. Map Work & Practical Geography (Morphometric Analysis & Air Photo Interpretation).	5	90	100	6 hrs.
<u>ELECTIVE PAPERS</u>					
109	Paper IV:				
109 (i)	Option (i) Applied Geomorphology	5	65	100	3 hrs.

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Internal Assessment: 30 Marks
 Periods: 65
 Written Paper: 70 Marks
 Pass Marks: 35%

Total Teaching

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective section of the Syllabus and each question will carry 10 marks. Section C will consist of 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
- (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) Candidates are required to attempt two question each from the sections A and B of the question paper and the entire section C.
- (ii) Candidates are allowed to use outline stencil maps of the world/continents/countries. They are also allowed to use simple calculators.

SECTION-A

Population and Environment

- (i) Theories of Man/Habitat interaction 8 Periods
- (ii) Population Dynamics and Regulations, Population Characteristics, Population Growth Curves: S-shaped and J-shaped, Density Dependent and Density Independent Factors. 9 Periods

Man's Impact on Water & Atmosphere

- (iii) **Water** 8 Periods
 - a. Deliberate modifications of Rivers.
 - b. Dams and Environment.
 - c. Effects of Deforestation
 - d. Water Pollution.
- (iv) **Atmosphere** 8 Periods
 - a. Sources of Air Pollution
 - b. Effects of Air Pollution on Human Health, Vegetation & Material.
 - c. Indoor Air Pollution.
 - d. Measures & Controls of Air Pollution.

SECTION-B

Issues & controversies

- (v) **Social Issues** 8 Periods

Sustainable Development: Concepts of Sustainable Development, International Cooperation to accelerate Sustainable Development, Strategies to achieve Sustainable Development.

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- (vi). Environmental controversies 8 Periods
- Taj Trapezium controversy
 - Ganga Action Plan controversy
 - Chilika Lake controversy
- Global Environmental Problems & Strategies
- (vii). Problems 8 Periods
- Global warming
 - Urban Heat Island
 - Acid Rain
 - Ozone Depletion
- (viii). Environmental Strategies 8 Periods
- Stockholm Conference, 1972
 - Vienna Conference, 1985
 - Montreal Protocol, 1987
 - Rio Summit, 1992
 - Kyoto Protocol, 1997
 - World Summit on Sustainable Development, Johannesburg, 2002
 - Paris Summit, 2015

BOOKS RECOMMENDED

- Agarwal, A. et. al (2001): *Poles Apart*, Centre for Science and Environment, New Delhi.
- Cunningham, W.P. and Saigo, B.W. (1995): *Environmental Science*, Wm Brown Publisher, Dubique.
- De A.K. (2003): *Environmental Chemistry*, New Age International Publishers, New Delhi.
- Goudie, A. (1993): *The Human Impact*, Oxford Basil Blackwell.
- Joseph, B. (2006): *Environmental Studies*, Tata McGraw Hill Publishing Company, New Delhi.
- Mishra, A. (2004): *Environmental Studies*, Selective and Scientific Books, New Delhi.
- Park, C. (1997): *Environment*, Routledge, London.
- Raven, R.H.et. al.(1993): *Environment*, Harcourt Brace College Publishers, Florida.
- SV, S.B. and Seth, B.L. (2010): *Sewage Canal: How to clean the Yamuna*, Centre for Science and Environment, New Delhi.
- The World Bank (2010): *World Development Report 2010: Development and Climate Change*, The World Bank, Washington.

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THIS PAGE CONCERNED ONLY CAMPUS STUDENTS
M.A. (PSYCHOLOGY) PART-I
(SEMESTER I & II)
SESSION 2019-20& 2020-21

Semester-I	Paper Title	Lecture	Tutorial	Practical	Seminar	Total Credit
Psy. 1.1 Core	Systems and Theories of Psychology	5	---	---	---	5
Psy. 1.2 Core	Experimental Psychology	5	---	---	---	5
Psy. 1.3 Elective	Physiological Psychology	5	---	---	---	5
Psy. 1.4 Core	Statistics in Psychology	5	---	---	---	5
Psy. 1.5 Core	Practicals (Lab. Experiments, Computers)	10	---	5	---	5
Semester-II						
Psy. 11.1 Core	Cognitive Psychology	5	---	---	---	5
Psy. 11.2 Core	Social Psychology	5	---	---	---	5
Psy. 11.3 Elective	Environmental Psychology	5	---	---	---	5
Psy. 11.4 Core	Experimental Designs in Psychology	5	---	---	---	5
Psy. 11.5 Core	Practicals (Field Studies, Cognitive Testing, Computers)	10	---	5	---	5

OPEN ELECTIVE SUBJECT:- GENERAL PSYCHOLOGY

(QUALIFYING PAPER FOR OTHER STUDENTS)

THE SUBJECTS WHICH THE STUDENTS CAN OPT FROM MOOC WILL BE NOTIFIED BY THE DEPARTMENT SEMESTER WISE TIME TO TIME.

2019-20
20-21

Sem-II

Psy. II. 3: ENVIRONMENTAL PSYCHOLOGY

Elective Paper

Maximum Marks: 75

Total Teaching Periods: 60

Credits - 5

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) **Environmental Psychology:** Nature and Scope; Psychological benefits of nature Environment and Human Perception (Brunswik, Gibson, Barker, Brofenbrenner).
- (ii) **Personal Space and Territoriality:** Nature and Theories.
Crowding and Over Population

SECTION - B

- (i) **Environmental Problems with reference to India:** Pollution: Noise, Air and Water (Psychological Causes and Management)
- (ii) **Psychology and Climate Change, Natural and Technological Disasters.**
Role of Psychologist in environment management and promotion of eco-friendly behaviour

REFERENCES

1. Baum, A., & Singer, J.E. (1980). *Advances in Environmental Psychology: Applied Personal Control* (Vol.II). Hillsdale, NJ: Lawrence Erlbaum Associates.
2. Bechtel, R.B. (1997). *Environment and Behaviour: An Introduction*. Thousand Oaks,CA: Sage Publications.
3. Bonnes, M., & Secchiaroli, G. (1995). *Environmental Psychology- A Psycho-Social Introduction*. London, UK: Sage Publications
4. Churchman, A., & Bechtel, R.B. (2002). *Handbook of Environmental Psychology*. New York, NY: John Wiley and Sons
5. Gifford, R. (1987). *Environmental Psychology, Principles and Practices*. Boston,MA: Allyn & Bacon.
6. Moos, R.H. (1996). *The Human Context: Environmental Determinants of Behaviour*. New York,

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20/23-23

PUNJABI UNIVERSITY PATIALA

SYLLABUS

FOR

M.A. (SOCIOLOGY) PART-II

(For Regular/Distance Education Students)

(THIRD SEMESTER & FOURTH SEMESTER)

Session : 2020-2021 & 2021-2022



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[Signature]
Professor & Head,
Department of Sociology &
Social Anthropology,
Punjabi University, Patiala.

[Signature]
Incharge
Department of Sociology &
Social Anthropology
Punjabi University, Patiala.

Principal
Govt. Mohindra College
PATIALA

[Signature]

-5-

PAPER-III

ENVIRONMENTAL SOCIOLOGY

Regular/Distance Education M. Marks: 100

3hrs

Pass Marks: 25

Theory 70+Internal 30

Time Allowed:

INSTRUCTIONS FOR THE PAPER-SETTER

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(Majal)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B.

All questions in Section C are compulsory.

Section-A

Environmental sociology

Nature: main features

Scope: the main topics and areas of ES

Emergence: phases of development

Basic concepts:

Environment: a discussion of various concepts and functions of environment Ecology and eco-system: History of concept, reasons for popularity.

Theoretical perspectives:

Human Exemptionalist Paradigm (HEP): main features of HEP, Marxist and Durkhiemian perspectives

New Ecological Paradigm (NEP):

New perspectives:

Radical ecology: Main features.

Deep ecology.

Eco-feminism: Main features.

-6-

Section -B

Ecological Crisis:

Nature: Extent and Types.

Major issues:

resource

controversies

Population: New Malthusian and ultimate debate
GMOs, benefits and

Environmental activism:

Legislation

NGOs: types and functions

Media: types and functions

Environmental Movements:

Development, Nature and types

The Chipko movement: a detailed study of its significance

RECOMMENDED READINGS

1. Agarwal, A. and Narain 1985 : *State of India's Environment: The Second Citizen's Report 1984-85*, New Delhi: Centre for Science and Environment.
2. Alvarez, C. 1992 : *Science, Development and Violence*, Delhi: Oxford University Press.
3. Dreyer, Oleg 1989 : *Ecological Problems of Developing Countries*, Delhi: Ajanta.
4. Gadgil, M. and Guha, R. 1996 : *Ecology and Equity: The Use and Abuse of Nature in Contemporary India*, Delhi: Viking Penguin.
5. Guha, R. 1988 : Ideological Trends in Indian Environmentalism, *Economic and Political Weekly*, Vol. 13, pp. 2578-81.
6. Hanningan, J. A. 1995 : *Environmental Sociology*, London: Routledge.
7. Harvey, B. and Hallett, J. D. 1977 : *Environment and Society: An Introductory Analysis*, London: Macmillan.
8. Iyer, K. G. (ed) 1977 : *Sustainable Development: Ecological and Socio-cultural Dimensions*, New Delhi: Vikas.
9. King, Leslie and Deborah Mearthy 2009: *Environmental Sociology : From analysis to action* : Rowman & Littlefield Publishers, INC.
10. Mehta, M. D. and E. Quellt (eds.) 1995 : *Environmental Sociology: Theory and Practice*, North York : Catpus Press.
11. Rangarajan, M. 1996 : The Politics of Ecology, *Economic and Political Weekly*, Vol. 31, pp. 2376-91.
12. Redclift, M. R. and 1994 : *Social Theory and Global*


2021-22

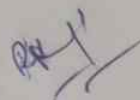
1.3.1 List of Courses relevant to Professional Ethics, Gender Sensitization, Human Values and Environment Sustainability. Session 2021-22				
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Sr.N	Issues	Programme Name	Course Name	Page No.
1	Professional Ethics	B.Com Hons Sem-6	Corporate Governance and Social Responsibility of Business	157-158
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		Bachelor of Laws Sem-8	Professional Ethics and Professional Accounting System	162-163
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			Personality Assessment	
		M.A. Public Administration Sem-4	Emerging Areas in Indian Administration	167-168
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2	Gender Sensitization	MA Sociology sem 4	Gender and Society	171-172
		MA Psychology sem 2	Social Psychology	173-174
		MA English sem 3	Literature and Gender	175-180
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			Personality Theories	
		All UG courses sem 3	Environmental and Road Safety awareness	187-188
		B.Sc Medical sem 6	Plant Ecology	189-191
4	Environment Sustainability	B.Sc Medical sem 2	Ecology	192-194
		B.Sc Hons Biotechnology Sem-3	Environmental Biotechnology	195-197
		Bachelor of Laws sem 5	Environment Law	198-200
		M.Sc Geography sem 1	Man and Environment	201-202
		M.Sc Geography sem 2	Human Impact on Environment: issues	203-205
		MA Psychology sem 2	Environment Psychology	206-207
		MA Sociology sem 3	Environmental Sociology	208-211

Edit



Outlines of Tests,
 Syllabi and Courses of Reading
 For
 B.Com.(HONOURS) Part-III
 (Semester V & VI)
 For
 2020-21, 2021-22 & 2022-23 Sessions


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BCH-604
CORPORATE GOVERNANCE & SOCIAL RESPONSIBILITY OF BUSINESS

Time Allowed: 3 Hrs.
 Period per week : 6
 Assessment: 70
 Pass percentage: 35%
 Assessment: 30

Max. Marks: 100
 External
 Internal

Instructions for Paper-Setters/Examiners

The question paper covering the entire course shall be divided into three sections as follows:

SECTION-A

It will consist of essay type questions. Four questions shall be set by the examiner from Unit-I of the syllabus and the candidate shall be required to attempt two. Each question shall carry 10 marks; total weight of the section shall be 20 marks.

SECTION-B

It will consist of essay type questions. Four questions shall be set by the examiner from Unit-II of the syllabus and the candidate shall be required to attempt two. Each question shall carry 10 marks; total weight of the section shall be 20 marks.

SECTION-C

It will consist of 12 very short answer questions from entire syllabus. Students are required to attempt 10 questions up to five lines in length. Each question shall carry 3 marks; total weight of the section shall be 30 marks

UNIT-I

Corporate Governance: concept, meaning, scope and need of Corporate Governance, Corporate Governance mechanism, Corporate Governance and stakeholders: obligation to investors, obligation to employees, obligation to customers, managerial obligation, obligation to government. Features of good governance, Role played by regulators to improve corporate governance, **Business Ethics** vis-a-vis Corporate Governance; corporate and board management: types of directors:

20

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Pa-1

Promoter, nominee, Shareholder, Independent Board Committees: Audit Committee, Remuneration Committee, Shareholders' grievance committee, other committees.

UNIT-II


Global Perspective of Corporate Governance: Cadbury Committee, Greenburg Committee, OECD Principles of Corporate Governance. Corporate Governance in India: Kumar Mangalam Birla Committee on corporate Governance, Narayan Murthy Committee, Companies (Appointment of Small Shareholders' Director) Rules (2001), Clause 49 of listing agreement. E Governance: Meaning, scope and importance. Corporate Social Responsibility: Meaning, evolution of CSR. Relation between CSR and Corporate governance; environmental aspects of CSR; models of CSR in India, drivers of CSR. CSR-Legislation In India: Section 135 of Companies Act 2013.

B.Sc. (Hons.) Biotechnology Part II

CHOICE BASED CREDIT SYSTEM

Academic Session 2019-2020, 2020-21 & 2021-22

Subject and Distribution of Marks

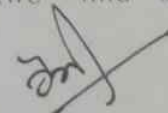
B.SC. (Hons.) Biotechnology part II (4th Semester)

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SEMESTER IV

Paper No and code	Name of paper	Credit per Week	Internal Marks*	External Marks	Total Marks
C8-BHB17	Molecular Biology	4	26	74	100
C9-BHB18	Immunology	4	26	74	100
C10-BHB19	Chemistry-4/Spectroscopic Techniques-II	4	26	74	100
SEC-2 BHB 20	Industrial Fermentations	4	26	74	100
GE5- BHB 21	IPR, Entrepreneurship Bioethics & Bio-safety/Entrepreneurship development	4	26	74	100
AECC-5-BHB 22	Environmental & Road Safety Awareness (Qualifying/ as per university rules) (Shift into 3 rd Semester)	2 lectures per week	30	70	100**
LC-12 (C8-BHB17)	Practical Pertaining to (C8-BHB17)	2	---	50	50
LC-13 (C9-BHB18)	Practical Pertaining to Theory Paper (C9-BHB18)	2	---	50	50
LC-14(C10-BHB 19)	Practical Pertaining to Theory Paper (C10-BHB 19)	2	---	50	50
LC-15 (SEC-2 BHB 20)	Practical Pertaining to Theory (SEC-2 BHB 20)	2	---	50	50
LC-16 (GE5 BHB 21)	Practical Pertaining to Theory GE5 BHB 21	2	---	50	50
Total		30	130	620	750

Note: *Weight age of different components in internal assessment is as: Attendance: 20%; written assignment project, work/Seminar/Industrial visit: 40%; two- mid semester Tests/Internal Examination- 40%

**marks are not to be included in total marks of semester.


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GE-5 - IPR, ENTREPRENEURSHIP BIOETHICS & BIOSAFETY-CODE: BHB 21

Time Allowed: 3hrs; - MM: 74; Pass Percentage: 40 %

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PATIALA**OBJECTIVES:**

- This subject will introduce basic concepts of ethics and safety that are essential for different disciplines of science and procedures involved and protection of intellectual property and related rights.
- Students will understand balanced integration of scientific and social knowledge in sustainable development.

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and carry 11 marks each. Section C will consist of 15 short answer type questions which will cover the entire syllabus uniformly and will carry 30 marks in all.

2

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B of the question paper and the entire section C.

SECTION-A**UNIT-I****(15 Periods)**

Introduction to Indian Patent Law. World Trade Organization and its related intellectual property provisions. Intellectual/Industrial property and its legal protection in research, design and development. Patenting in Biotechnology, economic, ethical and depository considerations.

UNIT II**(20 Periods)**

Entrepreneurship: Selection of a product, line, design and development processes, economics on material and energy requirement, stock the product and release the same for making etc. The basic regulations of excise: Demand for a given product, feasibility of its production under given constraints of raw material, energy input, financial situations export potential etc.

SECTION-B**UNIT III****(10 Periods)**

Bioethics - Necessity of Bioethics, different paradigms of Bioethics - National & International. Ethical issues against the molecular technologies.

UNIT IV**(15 Periods)**

Biosafety- Introduction to biosafety and health hazards concerning biotechnology. Introduction to the concept of containment level and Good Laboratory Practices (GLP) and Good Manufacturing Practices (GMP).

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SUGGESTED READINGS

1. Entrepreneurship: New Venture Creation: David H. Holt
2. Patterns of Entrepreneurship: Jack M. Kaplan
3. Entrepreneurship and Small Business Management: C.B. Gupta, S.S. Khanka, Sultan Chand & Sons.
4. Sateesh MK (2010) Bioethics and Biosafety, I. K. International Pvt Ltd.
5. Sree Krishna V (2007) Bioethics and Biosafety in Biotechnology. New age international publishers



PUNJABI UNIVERSITY, PATIALA

SYLLABUS

BACHELOR OF LAWS PART-IV (SEVENTH&EIGHTH SEMESTER)
(FIVE YEARS COURSE)

For 2020-21, 2021-22 and 2022-23 sessions

SCHEME OF STUDIES

SEVENTH SEMESTER

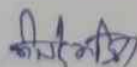
		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Law of Evidence	74	26	100
Paper-II	Land Laws including Tenure & Tenancy System	74	26	100
Paper-III	Law of Crimes - I (Penal Code)	74	26	100
Paper-IV	Moot Court Participation and Seminar-I	-	-	100*
Paper: V	Any one of the following : a) Law Relating to Information Technology and Right to Information b) Banking Law c) Health Law	74	26	100
	Total	296	104	500

EIGHTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Drafting, Pleading and Conveyancing	74	26	100
Paper-II	Professional Ethics and Professional Accounting System	74	26	100
Paper-III	Law of Crimes-II (Criminal Procedure)	74	26	100
Paper-IV	Moot Court Participation and Seminar-II	-	-	100*
Paper: V	Any one of the following : (a) Insurance Law (b) Financial Marketing Regulation (c) Law on Education (d) AVIATION LAW & AIR TRANSPORT MANAGEMENT	74	26	100
	Total	296	104	500

* For Paper- IV : Moot Court Participation and Seminar-I & Moot Court Participation and Seminar-II are of 100 marks i.e. Moot Courts (Every Student will give presentation at two moot courts with 30 marks each) = 60 marks
Court Visit = 20 marks
Seminar = 20 marks

100 marks



Paper - II : Professional Ethics and Professional Accounting System

Unit-I

Historical Introduction to Legal Profession in India : Development of Legal Profession in India
Privileges and Rights of Legal Profession, Importance, Distinction from other Professions and Business.

Admission and Enrolment of Advocates, Privileges and Rights to practice of Advocate
Composition of State Bar Council and its Powers and Functions. Constitution of Disciplinary Committee, Powers, Receipt of Complaint, Disposal and Punishment.
Bar Council of India : Composition, Functions and Powers of Bar Council of India
Conducts of Advocates : Meaning and Scope of Professional and Other Misconducts
Constitution and powers of Disciplinary Committee
Punishment of Advocate for misconduct
Disciplinary powers of Bar Council of India
Disposal of disciplinary proceedings
Powers of Review, Revision and Appeal
Right to Appeal to the Supreme Court

Unit-II

Professional Ethics of Lawyers

Duties of Advocates, Duty to Public and State
Duties towards Courts
Duties towards Clients
Duties to render Legal Aid
Duties towards Opponent, Colleagues and other Residual Duties
Conflicts between interest and duty
Bench-Bar Relationship and Lawyers' Strike
The Contempt of Courts Act, 1971 : Meaning of Contempt, Categories of Contempt, Constitutional Validity of the *Contempt of Courts Act, 1971*
Constitutional Provisions Regarding Powers of the Supreme Court and the High Courts Houses of Parliament of State Legislatures for Punishing for their Contents
Nature, Scope and Salient features of the Legal Service Authorities Act, 1987.

Suggested Readings

A.N. Chaturvedi : Pleading and Conveyancing with Advocacy and Professional Ethics
Bare Act of Advocates Act, 1961 & Bar Council of India Rules
14th Law Commission of India
Dr. Ravi Karan Singh : Dispensation of Justice - Role and Accountability of Judges and Advocates, Deep & Deep, 2004.

Semester - IV

			External Assessment	Internal Assessment	Total
Psy.IV.	1.	Personality Assessment	75	25	100
Core					
Psy.IV.	2.	Research Methodology	75	25	100
Core					
Psy.IV.	3 :	Any one of the following options-100 each			
Core					
	Opt. (i)	Motivation and Emotion	75	25	100
	Opt. (ii)	Counselling Psychology	75	25	100
	Opt.(iii)	Health Psychology	75	25	100
	Opt.(iv)	Psychology of Sports	75	25	100
Psy.IV.	4:	Any one of the following options-100 each			
Elective					
	Opt.(i)	Psychological Issues in Human Resource Development	75	25	100
	Opt.(ii)	Clinical Psychology	75	25	100
	Opt.(iii)	Forensic Psychology	75	25	100
	Opt.(iv)	Cyber Psychology	75	25	100
Psy.IV.	5.	Practicals (Personality and Ability Testing and Computers)	30+30+15	25	100
Core					

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SEMESTER - IV

PSYM2401T: PERSONALITY ASSESSMENT

Max. Marks: 75

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Personality Assessment: Nature, History, Evaluations
Clinical versus Statistical Prediction
- (ii) Psychometric Tests: MMPI, CPI, EPQ-R, Cattell's 16 PF, NEO-PIR

SECTION- B

- (i) Projective Tests: Rorschach Inkblet Technique, TAT, Word Association Test, Sentence Completion Test
- (ii) Testing of Cultural and Linguistic Minorities

Ethical Issues in Personality Testing

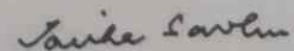
REFERENCES

1. Anastasi, A. and Urbina, S. (2004). *Psychological Testing*. Singapore: Pearson Education.
2. Corsini, R.J. and Morsclia, R.J. (1983). *Personality Theories: Research and Assessment*. Illinois: Peacock.
3. Kline, P. (1983). *Personality: Measurement and Theory*. New York: St. Martin's Press.
4. Aiken, L.R. (1989). *Assessment of Personality*. Boston: Allyn and Bacon.
5. Goldstein, G. and Herson, M. (Ed.). *Handbook of Psychological Assessment*. New York: Pergamon.
6. Gregory, R. (2004). *Psychological Testing: History, Principles and Application*. New Delhi: Pearson Education.

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Rohit Singh

PSYM2403(B)T (Opt. B): COUNSELLING PSYCHOLOGY

Max. Marks: 75

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Nature, History and APA Principles of Counselling, Training of Counsellor, Ethical Issues in Counselling
- (ii) Approaches to Counselling: Psychoanalytic, Behavioural, Cognitive, Humanistic

SECTION - B

- (i) Counselling Process: Effective Counselling Relationship, Stages, Counselling Skills Counseele Appraisal: Use of Testing and Non-Testing Techniques
- (ii) Counselling Applications: School Counselling, Family Counselling, Counselling for Child Abuse, Drug Abuse, Counselling for HIV/AIDS

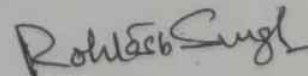
REFERENCES

1. George, R.L. and Christiani, T.S. (1990). *Counselling: Theory and Practice*. Englewood Cliffs, N.J.: Prentice Hall.
2. Gladding, S.F. (1996). *Counselling, Comprehensive Approach*. Englewood Cliffs, N.J.: Prentice Hall.
3. Patterson, I.E. & Weffel, L.E.R. (2000). *The Counselling Process*. C.A.: Brooks/Cole.
4. Corey, G. (1996). *Theory and Practice of Counselling and Psychotherapy*. CA: Brooks/Cole.
5. Nelson-Jones, R. (1995). *The Theory and Practice of Counselling*. London: Cassel.
6. Shertzer, B., & Stone, S.C. (1974). *Fundamentals of Counselling*. Palo Alto: Houghton Mifflin Company.
7. Nystul, M. S. (2003). *Introduction to Counselling: An Art and Science Perspective*.



Kamalpreet Kaur

Sandeep Kaur



(2021-22)

5

SYLLABUS

**M.A. (PUBLIC ADMINISTRATION) PART-II
(SEMESTER III & IV)
(2018-2019 & 2019-20 SESSIONS)
For Regular/Distance Education/Private Students**

PAPER II : EMERGING AREAS IN INDIAN ADMINISTRATION

For Regular students Six *Periods per week per paper to be delivered.*

For Regular/Distance Education Students	For Private Students
Maximum Marks : 100	Maximum Marks: 100
Theory: : 75	
Internal Assessment: 25	

Time allowed: 3 hours
Pass marks : 35%
Total Teaching Periods: 75

INSTRUCTIONS FOR THE PAPER-SETTER

(For Regular and Distance Education Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

(For Private Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 16 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from Sections A and B of the question paper and the entire Section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines


Section A

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1. Good Governance: Origin, Basic Elements of Good Governance, Challenges to Good Governance in India.
2. Citizen Centric Administration: Evolution, Features and Significance of Citizen's Charters.
3. Need for Police Reforms in India, The Supreme Court Directive of 2006 and its impact.
4. Police-Public Interface.
5. Ethics and Values in Public Service and in Public Administration, Code of Conduct.

Section B

6. Ethics in Governance; Criminalization of Politics and administration.
7. Qualities of a good administrator, Are they sufficient in present scenario.
8. Nature and Types of disasters.
9. Disaster Management: The Disaster Management Act, 2005
10. Organization and Functions of National Disaster Management Authority.


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SYLLABUS
BACHELOR OF LAWS PART-III
(5YEAR COURSE) (FIFTH AND SIXTH SEMESTERS)
FOR 2019-20, 2020-21 AND 2021-22 SESSIONS
SCHEME OF STUDIES

FIFTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Legal History	74	26	100
II	Environment Law	74	26	100
III	Law of Property	74	26	100
IV	Labour and Industrial Law-I	74	26	100
V	Administrative Law	74	26	100
	Total	370	130	500

SIXTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Jurisprudence	74	26	100
II	Law of Taxation	74	26	100
III	Company Law	74	26	100
IV	Labour and Industrial Law-II	74	26	100
V	Option: Any one of the following: (a) International Organisations (b) Gender Justice (c) Media and Law	74	26	100
	Total	12 370	130	500

Option Paper-(b) Gender Justice

UNIT-I

Concept of Gender- Biological Distinction

- Constitutional Safeguards and Role of Judiciary.
- Convention on Elimination of All Forms of Discrimination Against Women.
- Protection of women from Domestic Violence

Gender Justice and Personal Laws

- Adoption and Guardianship Rights.
- Property and Inheritance Rights.
- Rights of Maintenance.
- Uniform Civil Code towards Gender Justice.

UNIT-II

Gender Related Crimes

- Child marriage
- Prostitution and Trafficking
- Female feticide
- Sexual harassment of Women.

Gender Justice Issues

- Women and Work
- Women and Health
- Women and Education

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SYLLABUS

FOR

M.A. (SOCIOLOGY) PART-II

(For Regular/Distance Education Students)

(THIRD SEMESTER & FOURTH SEMESTER)

Session : 2020-2021 & 2021-2022



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[Signature]
Professor & Head,
Department of Sociology &
Social Anthropology,
Punjabi University, Patiala.

[Signature]
Incharge
Department of Sociology &
Social Anthropology
Punjabi University, Patiala.

13
[Signature]
Principal
Mohindra College
PATIALA

[Signature]

PAPER-III

GENDER AND SOCIETY

Regular/Distance Education M. Marks: 100

Time Allowed:

3hrs

Pass Marks: 25

Theory 70+Internal 30

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks.

Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B.

All questions in Section C are compulsory.

SECTION-A

- (i) Basic Concepts : Sex, gender, patriarchy, matriarchy, masculinity, femininity, gender identity. Sex Ratio and its Social Implications.
- (ii) Theories of Feminism : Liberal, radical, marxist, socialist and Post-modernist
- (iii) Women's movement in the West.
- (iv) Women's movement in India.

SECTION-B

- (i) Women and Family : (a) Role of women.
 - (i) Biological perspective.
 - (ii) Cultural perspective.
 (b) Social construction of gender.
- (ii) Women and Work : (a) Invisibility of women's work.
 - (b) Role of women in economy.
- (iii) Position of Women in : A historical perspective.
 - Indian Society.
- (iv) Emerging Issues : (a) Women in politics.
 - (b) Violence against women.

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M. Raj

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SYLLABUS

FOR

MA (PSYCHOLOGY)

PART-I

SEMESTER I & II


SESSION 2021-22, 2022-23

FOR REGULAR STUDENTS



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Social PsychologyCore Paper

Maximum Marks: 75

Total Teaching Periods: 60

Credits: 5

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A & B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

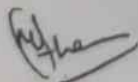
- (i) Social Psychology: Nature, Historical Development and Current Trends
Methods: Observation, Survey, Laboratory & Field Experimentation and Ethics in Experimentation
Theories: Cognitive Dissonance Theory, Balance Theory, Social Exchange Theory, Attribution Theory (Kelley, Jones & Davis, Weiner)
- (ii) Applied Social Psychology:
Health: Stress, Factors affecting Stress, Health Promoting Behaviours
Law: Eye Witness Testimony and Criminal Defendants
Organization: Job Satisfaction and Entrepreneurship

SECTION B

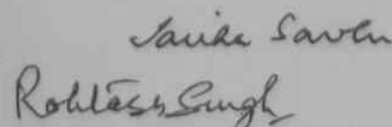
- (i) Altruism: Factors and Theoretical Perspectives
Interpersonal Attraction: Factors and Theoretical Perspectives
- (ii) Groups: Nature, Types, Group Cohesion
Group Behaviour: Conformity & Compliance
Group Processes: Social Facilitation, Social Inhibition & Social Loafing

REFERENCES

1. Baron, R.A., & Byrne, D. (2000). *Social Psychology* (9th Ed.). New Delhi: Prentice Hall of India Pvt. Ltd.
2. Bickman, L., & Rog, D.L. (1997). *Handbook of Applied Social Research*. Thousand Oaks: Sage
3. Burke, P.J. (2006). *Contemporary Social Psychological Theories*. Stanford Social Sciences.
4. Crisp & Turner (2007). *Essential Social Psy*. London: Sage Publications Ltd.
5. Dalal, A.K., & Misra, G. (2002). *New Directions in Indian Psychology*, Vol. 1. *Social Psychology*. New Delhi: SAGE.



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PUNJABI UNIVERSITY, PATIALA

SYLLABI AND COURSES OF READING
FOR

M.A. (ENGLISH) PART - II

2021-2022 & 2022-2023 EXAMINATION

(For Regular and Distance Education Candidates Only)



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SYLLABUS
(FOR REGULAR AND DISTANCE EDUCATION CANDIDATES ONLY)
M.A. II (ENGLISH)

PROGRAMME CODE: ENGM2PUP

SEMESTER-III & IV, SESSIONS 2021-2022 and 2022-2023

SEMESTER III

Sr. No.	Title of Course	Course Code	Credit Hours/Week	Number of Credit	Core/Elective Course	IA	External Exam	Total Marks
1	Literature and Modernity	ENGM2112T	5	5	Core	25	75	100
2	Twentieth Century Poetry and Fiction	ENGM2113T	5	5	Core	25	75	100
3	Literature and Gender	ENGM2114T	5	5	Core	25	75	100
4	Literature and Postcoloniality	ENGM2115T	5	5	EC	25	75	100
5	Modern Drama	ENGM2116T	5	5	EC	25	75	100
6	Indian Writing in English	ENGM2117T	5	5	EC	25	75	100
Total			20	20		100	300	400

- All Core courses are compulsory.
- The candidate has to choose one course from EC
- Interested students may register for Massive Open Online Courses (MOOC) on MHRD portal SWAYAM with the approval of the concerned HoD after due process, but it will be considered for the award of the grade as Open Elective only and it shall earn EXTRA credits.

Sr. No.	Title of Course	Course Code	Credit Hours/Week	Number of Credit	Core/Elective Course	IA	External Exam	Total Marks
1	Literary and Cultural Theory	ENGM2218T	5	5	Core	25	75	100
2	Modern Indian Literature in Translation	ENGM2219T	5	5	Core	25	75	100
3	Literature and Politics	ENGM2220T	5	5	Core	25	75	100
4	American Literature	ENGM2221T	5	5	EC	25	75	100
5	Language and Linguistics	ENGM2222T	5	5	EC	25	75	100
6	European Drama	ENGM2223T	5	5	EC	25	75	100
Total			20	20		100	300	400

SEMESTER IV

- All Core courses are compulsory.
- The candidate has to choose one course from EC
- Interested students may register for Massive Open Online Courses (MOOC) on MHRD portal SWAYAM with the approval of the concerned HoD after due process, but it will be considered for the award of the grade as Open Elective only and it shall earn EXTRA credits.

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SYLLABUS
(FOR REGULAR AND DISTANCE EDUCATION CANDIDATES ONLY)
M.A. II (ENGLISH)

PROGRAMME CODE: ENGM2PUP

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SEMESTER-III & IV, SESSIONS 2021-2022 and 2022-2023

SEMESTER III

Every Course has 5 credits. Each Semester has 20 credit points.

Core Course-IX	Literature and Modernity	Max. Marks: 100 Pass Marks: 35% Credits: 5
Core Course-X	Twentieth Century Poetry and Fiction	-do-
Core Course-XI	Literature and Gender	-do-
Elective Course-XII	One of the following options: (i) Literature and Postcoloniality (ii) Modern Drama (iii) Indian Writing in English	-do-

SEMESTER IV

Every Course has 5 credits. Each Semester has 20 credit points.

Core Course-XIII	Literary and Cultural Theory	Max. Marks: 100 Pass Marks: 35% Credits: 5
Core Course-XIV	Modern Indian Literature in Translation	-do-
Core Course-XV	Literature and Politics	-do-
Elective Course-XVI	One of the following options: (i) American Literature (ii) Language and Linguistics (iii) European Drama	-do-

Wynne-Davies, M. *Bloomsbury Guide to English Literature*. U of Surrey P, 1989.
Hamilton, Ian, editor. *Oxford Companion to 20th-Century Poetry*. Clarendon Press, 1994.

SUGGESTED READING

T.S. Eliot

Bloom, Harold. *T.S. Eliot's The Waste Land*. Infobase Publishing, 2007.
Hinchliffe, Arnold P. *T. S. Eliot's The Waste Land: A Casebook*. Macmillan, 1968.
Miller, James E. *T. S. Eliot's Personal Waste Land: Exorcism of the Demons*. Penn State P, 2010.
Reeves, Gareth. *T.S. Eliot's The Waste Land*. Harvester Wheatsheaf, 1994.

W.B. Yeats

Berryman, Charles. *W. B. Yeats: Design of Opposites: A Critical Study*. Exposition P, 1967.
Ross, David A. *Critical Companion to William Butler Yeats: A Literary Reference to His Life and Work*. Infobase Publishing, 2009.
Smith, Stan. *W.B. Yeats: A Critical Introduction*. Rowman & Littlefield, 1990.

Wisława Szymborska

Gillon, Adam and L. Krzyzanowski, editors. *Introduction to Modern Polish Literature: An Anthology of Fiction and Poetry*. Hippocrene Books Inc., 1982.
Szymborska, Wisława. *Nonrequired Reading: Prose Pieces*. Houghton Mifflin Harcourt, 2002.

Franz Kafka

Kafka, Franz and Max Brod. *The Diaries of Franz Kafka*. Indialog Publications, 2003.
Emrich, Wilhelm. *Franz Kafka: A Critical Study of His Writings*. F. Unger, 1984.
Flores, Agnes. *Franz Kafka Today*. Gordian P, 1977.
Neider, C. *The Frozen Sea: A Study of Franz Kafka*. OUP, 1948.
Pascal, Roy. *The German Novel*. OUP, 1957.

Albert Camus

Bree, Germaine, editor. *Camus: A Collection of Critical Essays*. Prentice-Hall Inc., 1977.
20th Century Views.
Casanova, Pascale, and Chris Turner. *Kafka, Angry Poet*. Seagull Books, 2015.
Cruikshank, John. *Albert Camus and the Literature of Revolt*. Greenwood P, 1978.
Hanna, Thomas. *The Thought and Art of Albert Camus*. Literary Licensing, 2011.
Thody, Philip. *Albert Camus: A Study of His Work*. H. Hamilton, 1961.

Margaret Atwood

Atwood, Margaret. *On Writers and Writing*. Virago, 2015.
Shauman, R. Baird. *Great American Writers: Twentieth Century*. Vol. 1. Marshall Cavendish, 2002.
Van Spanckeren, Kathryn and Jan Garden Castro. *Margaret Atwood: Vision and Forms*. Southern Illinois U P, 1988.

CORE COURSE -XI
LITERATURE AND GENDER COURSE
CODE: ENGM2114T

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Max. Marks: 100
Written Examination: 75 Marks

Time: 3 hours

Internal Assessment: 25 Marks
Pass Marks: 35%

Course Objectives:

1. To familiarise the students with the key terms and history of feminist movement and gender struggles.
2. To explain how the question of gender gradually became one of the important lenses through which literary texts can be interpreted.

Course Outcomes:

1. The students will be able to appreciate the contribution of women's struggle and agency in the making of modern literature.
2. The students will develop an understanding of how women writers have interrogated the dominant literary landscape.

INSTRUCTIONS FOR THE PAPER-SETTER

UNIT-I shall have three questions out of which the students shall be required to attempt any two. Not more than one question shall be set from a text. These questions shall carry 11+11=22 marks.

UNIT-II shall have three questions out of which the students shall be required to attempt any two. Not more than one question shall be set from a text. These questions shall carry 11+11=22 marks.

UNIT-III shall comprise ten short-answer questions of about 100 words each. It shall be of 31 marks. This question shall have two parts. Part (a) shall comprise four questions aimed at testing the close reading of the texts (4+3+3+3= 13 marks). Part (b), comprising six questions, shall be based on the history/movement(s)/genre(s)/concepts, etc. pertaining to the course (3x6=18 marks).

UNIT-I

"Feminisms" - An essay by Fiona Tolan from *An Oxford Guide to Literary Theory and Criticism*, edited by Patricia Waugh

Simone de Beauvoir - *The Second Sex*: Introduction and Book I - Part III

Virginia Woolf - *A Room of One's Own*

UNIT-II

Jean Rhys- *Wide Sargasso Sea*

Bama - *Karukku* (Translated by Lakshmi Holmstrom)

Chimamanda Ngozi Adichie - *Dear Ijeawele: A Feminist Manifesto in Fifteen Suggestions*

UNIT-III

This shall include ten short-answer questions as explained above.

INTRODUCTORY READING

Davis, Kathy, Mary Evans, and Judith Lorber, editors. *Handbook of Gender and Women's Studies*. Sage, 2006.

Ghandy, Anuradha. *Philosophical Trends in Feminist Movement*. CreateSpace Independent Publishing Platform, 2016.

Walters, Margaret. *Feminism: A Very Short Introduction*. Vol. 141. OUP, 2005.

SUGGESTED READING

Fiona Tolan

Chatterji, Lola, editor. *Woman, Image, Text*. Trianka, 1986.

Evans, Judith. *Feminist Theory Today: An Introduction to Second-Wave Feminism*. Sage,

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1998.

Friedan, Betty. *The Feminine Mystique*. Edited by Kirsten Fermaglich and Lisa Fine, W.W. Norton & Company, 2013. Norton Critical Editions.

Fuller, Margaret. *Woman in the Nineteenth Century*. Dover Publications Inc., 1999.

Griffin, Susan. *Woman and Nature: The Roaring inside Her*. Counterpoint, 2016.

Thompson, Ann and Helen Wilcox. *Feminist Criticism*. Oxford U P, 1992.

Rich, Adrienne. *Of Woman Born: Motherhood as Experience and Institution*. W W Norton, 1976.

Simone de Beauvoir

Evans, Ruth. *Simone de Beauvoir's The Second Sex: New Interdisciplinary Essays*. Manchester U P, 1998.

Fallaize, Elizabeth. *Simone de Beauvoir: A Critical Reader*. Psychology P, 1998.

Scarth, Fredrika. *The Other Within: Ethics, Politics, and the Body in Simone de Beauvoir*. Rowman & Littlefield, 2004.

Simons, Margaret A. *Beauvoir and The Second Sex: Feminism, Race, and the Origins of Existentialism*. Rowman & Littlefield Publishers, 2001.

---. *Feminist Interpretations of Simone de Beauvoir*. Penn State P, 2010.

Virginia Woolf

Briggs, Julia. *Reading Virginia Woolf*. Edinburgh U P, 2006.

Goldman, Jane. *The Cambridge Introduction to Virginia Woolf*. Cambridge U P, 2006.

DiBattista, Maria. *Imagining Virginia Woolf: An Experiment in Critical Biography*. Princeton U P, 2009.

Randall, Bryony and Jane Goldman. *Virginia Woolf in Context*. Cambridge U P, 2012.

Rosenman, Ellen Bayuk. *A Room of One's Own: Women Writers and the Politics of Creativity*. Twayne Publishers, 1995.

Jean Rhys

Carl, Plasa. *Jean Rhys: Wide Sargasso Sea*. Palgrave Macmillan, 2003.

Elaine, Savory. *Jean Rhys*. Cambridge U P, 1998

Pierrette, M. Frickey. *Critical Perspectives on Jean Rhys*. Lynne Rienner Publishers, 1990.

Veronica, Marie Gregg. *Jean Rhys's Historical Imagination: Reading and Writing the Creole*. U of North Carolina P, 1995.

Bama

Chakravarti, Uma. *Gendering Caste: Through a Feminist Lens*. Edited by Maithreyi Krishnaraj, Sage, 2018. Theorizing Feminism.

Kumar, Raj. *Dalit Literature and Criticism*. Orient Black Swan, 2019. Literary and Cultural Theory.

Ravikumar, D. and R. Azhagarasan, editors. *The Oxford India Anthology of Tamil Dalit Writing*. Oxford, 2012.

Rege, Sharmila. *Writing Caste Writing Gender: Narrating Dalit Women's Testimonios*. Zubaan, 2006.

---. *Against the Madness of Manu: B.R Ambedkar's Writings on Brahmanical Patriarchy*. Navayana, 2013.

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Spamer

ਸਰਕਾਰੀ ਵਿਗਿਆਨ ਅਤੇ ਸਮਾਜਕ ਸਾਹਿਤ ਵਿਗਿਆਨ ਵਿਭਾਗ

ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ. 33 ਤਹਿਤ ਸਥਾਪਿਤ)

M.A Sociology (2021-22)

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ਸੇਸ਼ਨ 2021-22 ਅਤੇ 2022-23 ਲਈ ਐਮ.ਏ. ਭਾਗ ਪਹਿਲਾ (ਪਹਿਲਾ ਸੈਮੇਸਟਰ ਅਤੇ ਦੂਜਾ ਸੈਮੇਸਟਰ) ਦੇ ਵਿਦਿਆਰਥੀ ਨੂੰ ਹੇਠ ਲਿਖੇ ਵਿਸ਼ੇ ਪੜ੍ਹਾਏ ਜਾਣੇ ਹਨ। ਇਸ ਲਈ ਅਪ ਜੀ ਨੂੰ ਘੋਖਣਾ ਦੀ ਸਹੀਮ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਭੇਜੀ ਜਾ ਰਹੀ ਹੈ:-

Programme Code of M.A. Sociology : SOCM2PUP

ਐਮ.ਏ. ਭਾਗ ਪਹਿਲਾ (ਸੈਮੇਸਟਰ ਪਹਿਲਾ)	1. General Sociology (Sub. Code : SOCM1101T) 2. Sociological & Anthropological Theories-I (Sub. Code: SOCM1102T) 3. Indian Society (Sub. Code : SOCM1103T) 4. Methodology of Social Research-I (Sub. Code : SOCM1102T)
ਐਮ.ਏ. ਭਾਗ ਪਹਿਲਾ (ਸੈਮੇਸਟਰ ਦੂਜਾ)	1. Sociological and Anthropological Theories-II (Sub. Code : SOCM1205T) 2. Social Change & Social Problems in India (Sub. Code : SOCM1206T) 3. Perspectives on Indian Society (Sub. Code : SOCM1207T) 4. Methodology of Social Research-II (Sub. Code : SOCM1208T)

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Namanta
Incharge
Department of Sociology &
Social Anthropology
Punjab University, Patiala

PAPER-II
SOCIAL CHANGE AND SOCIAL PROBLEMS IN INDIA
 (Subject Code: SOC1206T)

Regular/Distance Education M. Marks: 100
 Pass Marks: 25
 Theory 70+Internal 30

Time Allowed: 3hrs

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10% marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B. Section C is compulsory.

SECTION-A

- | | | |
|------|-----------------------------|---|
| (i) | Processes of Social Change: | Sanskritization, Westernization, Modernization. |
| (ii) | Factors Social Change: | Industrialization, Urbanization, Globalization and Education |
| (i) | Social movements: | Definition, Nature, Characteristics and Types. |
| (ii) | Social Movements in India: | Peasant, Women's, Backward Classes, Dalit, Ethnic and Tribal. |

SECTION-B

- | | | |
|-------|---|--|
| (i) | Social Problems: | Meaning, Causes and Characteristics. |
| (ii) | Theories of Social Problems: | Social Disorganization Approach, Value Conflict Approach, Cultural Lag Approach. |
| (iii) | Population problems, Poverty, Unemployment. | |
| (iv) | Problems of the aged, Physically challenged; crime; corruption, | |

Namante
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 Social Anthropology
 Punjabi University, Patiala

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2021-22

PUNJABI UNIVERSITY, PATIALA

SYLLABUS

FOR

MA (PSYCHOLOGY)

PART-II

SEMESTER III & IV

SESSION 2021-22, 2022-23

FOR REGULAR STUDENTS



PUNJABI UNIVERSITY, PATIALA

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SEMESTER- III

PSYM2301T: PERSONALITY THEORIES

Max. Marks: 75

Total Teaching Periods: 60

Minimum Mark: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Personality Concept, Nature of Personality Theory, Assumptions Concerning Human Nature
- (ii) Psychoanalytic and Post Freudian Theories: Freud, Jung, Adler, Fromm,orney, and Erikson

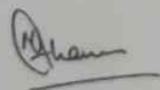
SECTION - B

- (i) Trait Theories: Allport, Cattell, Eysenck, Big Five Model
- (ii) Social Learning Theory: Bandura
- Cognitive Theory: Kelley's Personal-Construct Theory
- Humanistic Phenomenological Perspective: Rogers, Maslow

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REFERENCES

1. Corsini, R.J. and Morselia, R.J. *Personality Theories: Research and Assessment*. Illinois: Peacock.
2. Hall, C.S., Lindzey, J.C. and Manosevitz, M. (1985). *Introduction to Theories of Personality*. New York: John Wiley & Sons.
3. Kline, P. (1983). *Personality, Measurement and Theory*. New York: St. Martin's Press.
4. Robert, E.B. (1993). *Theories of Personality*. London: Lawrence Erlbaum Associates.
5. Pervin, L.A. (1984). *Personality Theories, Assessment and Research*. New York: John Wiley & Sons.
6. Hjelte and Ziegler (1992). *Personality Theories*. Singapore: McGraw Hill.
7. Aitken, J.R. (1989). *Assessment of Personality*. Boston: Allyn and Bacon.
8. Friedman, H.S. and Schustack, M.W. (2004). *Personality: Classic Theories and Modern Research*. Singapore: Pearson Education.



Kamalpreet Kaur

Saira Sarwan

Rohit Singh

PSYM2303(III)T (Opt. III): LIFE SPAN DEVELOPMENT

Max. Marks: 75

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Life Span Development: Concept & Principles
Pre-Natal Development: Stages, Factors, Hazards
- (ii) Infancy and Childhood:
Cognitive Development: Piaget
Moral Development: Kohlberg
Language Development: Chomsky
Socio-Cultural Development: Vygotsky

SECTION - B

- (i) Puberty & Adolescence: Physiological and Psychological Changes, Theories of Identity Formation (Erikson, Marcia)
Parenting Styles: Diana Baumrind, Attachment Theory: Bowlby, Ainsworth
- (ii) Adulthood: Psychosocial Theories of Development in Adulthood, Critical Issues in Adulthood (Levinson, Vaillant)
Old Age: Physical, Emotional & Cognitive Challenges
Theories of Grief & Bereavement: Kubler-Ross, Stroebe & Schut

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REFERENCES

1. Sigelman, C.K., & Rider, E. A. (2005). *Life-Span Human Development*. New Delhi: Cengage.
2. Berk, L.F. (2009). *Development through the Lifespan*. New Delhi: Pearson.
3. Brodinsky, D.M., Gannly, A.V. & Aniborn, S.R. (1986). *Life Span Human Development*. New Delhi: B.S. Publisher.
4. Hurlock, E.B. (1968). *Developmental Psychology*. NY: McGraw Hill Book Company.
5. Craig, G.L. (1996). *Human Development*. NJ: Prentice Hall Upper Saddle River.
6. Hertherington, E. & Mavis (1997). *Child Psychology: A Contemporary Viewpoint* (5th Ed.) McGraw Hill Companies Inc.
7. Meadows, S. (2017). *Understanding Child Development*. UK: Routledge.

PSYM2303(III)T (Opt. III): HEALTH PSYCHOLOGY

Max. Marks: 75

Total Teaching Periods: 60

Minimum Mark: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

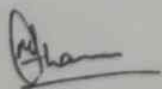
- (i) Health Psychology: Nature, Models of Health Behaviour (Bio-Psychosocial Model, Health Belief Model, Precaution Adoption Process Model)
- (ii) Stress: Concept, Models of Stress, Lazarus & Folkman, Selye
Stress Management Strategies: Biofeedback, Music Therapy, Progressive Muscular Relaxation, Guided Imagery, Meditation, Yogasana, Stress Inoculation Training

SECTION - B

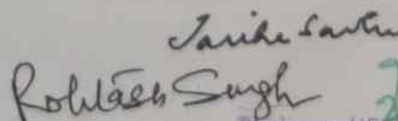
- (i) Substance Abuse, Obesity, HIV/AIDS, Coronary Heart Disease: Causes, Prevention and Treatment
- (ii) Life Style and Health: Changing Health Beliefs and Attitudes, Nutrition, Exercise

REFERENCES

1. Taylor, S.E. (1991). *Health Psychology*. U.S.A.: McGraw Hill.
2. Kaptain, A. (2004). *Health Psychology*. London: Blackwell Scientific Publications.
3. Michie, S. (2004). *Health Psychology in Practice*. London: Blackwell Scientific Publications.
4. Bloom, B.J. (1988). *Health Psychology: A Psychological Perspective*. Englewood Cliffs, N.J.: Prentice Hall.
5. Brannon, L., & Fiesta, J. (2000). *Health Psychology*. Singapore: Woodworth/Thomson Learning.
6. Bloom, B. L. (1988). *Health Psychology: A Psycho-Social Perspective*. NJ: Prentice Hall, Inc.
7. Misra, G. & Dabal, A. (2006). *Stress and Health*. New Delhi: Concept.
8. Singh, R., Yadava, A. & Sharma, N. R. (2005). *Health Psychology*. New Delhi: Global Vision Publishing House.
9. Aboud, J. F. (1998). *Health Psychology in Global Perspectives*. Thousand Oaks, CA: Sage.



Kamalpreet Kaur



Chairman HEIS-Cum-Principal
Govt. Mohindra College
Patiala

All UG Courses - IInd Year (3rd Semester)
Environmental and Road Safety Awareness
Session: 2019-20, 2020-21 & 2021-22

Total Marks : 100
Theory : 60 marks
Internal Assessment: 15
(5 for Attendance & 10 for MST)
Mandatory field visit to PG
Science City & Report : 25 Marks

Max Time: 3 hrs.
Lectures per week 5
Credits: 04

INSTRUCTIONS FOR THE PAPER SETTERS (Regular Students)

The question paper will consist of three sections A, B and C. Each of sections A and B will have four questions from the respective sections of the syllabus. Each question shall carry 9 marks. Section C will consist of 12 short answer type questions of 2 marks each.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt any two questions from each section A and B. Section C is compulsory.

PRIVATE/DISTANCE EDUCATION STUDENTS

Max Marks: 100

Max Time: 3hrs.
Lectures per week 5

INSTRUCTIONS FOR THE PAPER SETTERS

The question paper will consist of three sections A, B and C. Each of sections A and B will have four questions from the respective sections of the syllabus. Each question shall carry 15 marks. Section C will consist of 20 short answer type questions of 2 marks each.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt any two questions from each section A and B. Section C is compulsory.

SECTION-A

INTRODUCTION TO ENVIRONMENTAL STUDIES:

The multidisciplinary nature of environmental studies. Definition, scope and importance

Concept of Biosphere – Lithosphere, Hydrosphere, Atmosphere.

ECOSYSTEM & BIODIVERSITY CONSERVATION

Ecosystem and its components, Types of Ecosystems

Biodiversity - Definition and Value, Threats to biodiversity and its conservation

Level of biological diversity: genetic, species and ecosystem diversity; biogeographic zones of India; biodiversity patterns and global biodiversity hot spots.

India as Mega-biodiversity nation; Endangered and endemic species of India.

Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and informational value.

NATURAL RESOURCES-RENEWABLE AND NON RENEWABLE RESOURCES

Land resources and land use change; land degradation, soil erosion and desertification.

Deforestation: causes and impacts due to mining, dam building on environment, Forests, Biodiversity and tribal populations.

Water: Use and over-exploitation of surface and ground water, Floods, droughts, conflicts over water (International & inter-state)

Energy resources: renewable and nonrenewable energy sources, use of alternate energy sources, growing energy needs, case studies.

Environmental Pollution

Environmental Pollution : types, causes, effects and controls; Air, Water, Soil and noise pollution. Nuclear hazards and human health risks Solid waste management, Source Segregations : Control measures of urban and industrial waste. Pollution case studies.

SECTION-B

ENVIRONMENTAL PROTECTION LAWS IN INDIA

Environmental protection act for; Air (Prevention and control of pollution), Water (Prevention and Control of pollution), Wild life, Forest Conservation, Issues involved in the enforcement of environmental legislation. Role of an individual in prevention of pollution.

Environmental policies & Practices; Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture.

Human Communities and the Environment

Human population growth: Impacts on environment, human health and welfare, Sanitation & Hygiene. Resettlement and rehabilitation of project affected persons; case studies. Disaster management: floods, earthquake, cyclones and landslides. Environment movements: Chipko, Silent valley, Bishnois of Rajasthan. Environmental ethics: Role of Indian and other religions and cultures in environmental conservation for a Clean-green pollution free state.

Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi)

ROAD SAFETY AWARENESS

Concept and significance of Road safety, Traffic signs, Traffic rules, Traffic Offences and penalties, How to obtain license, Role of first aid in Road Safety.

Stubble Burning

Meaning of Stubble burning.

Impact on health & environment.

Management and alternative uses of crop stubble.

Environmental Legislations and Policies for Restriction of Agriculture Residue Burning in Punjab.

Field Work

Visit to an area to document environmental assets: river/Forest/Flora/Fauna, etc.

Visit to Local polluted site -urban/Rural/Industrial/Agricultural.

Study of common Plants, Insects, Birds and basic principles of identification.

Study of simple ecosystems-pond, river, Delhi Ridge, etc.

Punjabi University, Patiala

SYLLABUS

B.Sc. (Botany) Part-III (Semester-V and VI)
(Session 2019-20, 2020-21 and 2021-22)

Semester-V**THEORY**

	External Marks	Internal Assessment
Paper IX: Plant Physiology	40	15 (Attendance: 3 + Assignment: 6)
Paper X: Plant Growth, Development and Biotechnology	40	15 (Attendance: 3 + Assignment: 6)

PRACTICAL

Pertaining to Theory Paper IX:	40	-
Pertaining to Theory Paper X:		

Total Marks (Semester-V)

Theory	80 Mar
Practical	40 Mar
Internal Assessment Pertaining to Theory Paper IX & X	30 Mar
Total	: 150 Mar

Semester-VI**THEORY**

	External Marks	Internal Assessment
Paper XI: Plant Ecology	40	15 (Attendance: 3 + Assignment: 6)
Paper XII: Plant Utilization	40	15 (Attendance: 3 + Assignment: 6)

PRACTICAL

Pertaining to Theory Paper XI:	40	
Pertaining to Theory Paper XII:		

Total Marks (Semester-VI)

Theory	80 Mar
Practical	40 Mar
Internal Assessment Pertaining to Theory Paper XI & XII	30 Mar
Total	: 150 Mar

Note:

- The number of teaching hours per week will be three for each theory paper and practical in every semester. In all, there will be 12 teaching hours per week theory and practical requirements. (Six teaching hours for theory and Six teaching hours for practical per week)
- Practical paper in each semester will be of 3 hours. The timing of practical examination will be 9.00 am to 12.00 noon.

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SEMESTER-VI: PAPER - XI: PLANT ECOLOGY

Max. Marks: 30
Pass Marks: 35%

Lectures to be delivered: 45
(Each of 45 minutes duration)
Time Allowed: 3 Hours

INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions each from the respective sections of the syllabus and will carry 5 marks each. Section C will consist of 5 short-answer type questions which will cover the entire syllabus uniformly and will carry 10 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt four questions selecting two questions from each section A and B. The entire section C is compulsory.

Section-A

1. Concept of ecology and its scope. Environmental factors: climatic, edaphic, topographic and biotic, Shelford's law of tolerance.
2. Population ecology: Characteristics, positive and negative interaction, growth forms, carrying capacity, ecotypes and ecads.
3. Community ecology: Community characteristics, frequency, density and abundance, cover, life forms. Ecological succession (Hydrosere, Xerosere). Gause's principle of competitive exclusion.
4. Structure and concept of ecosystem, ecological pyramids, food chain, food web, ecological energetics, ecological productivity.

Section-B

5. Environmental issues: Brief idea of air, water, noise and soil pollution. Global warming and ozone depletion. International efforts for mitigation of global climate change.
6. Biodiversity: Types and conservation, concept of hot spots, biomes, phytogeographic regions of India, vegetation types (Forests, Grasslands, Wetlands).
7. Ecological adaptations in xerophytes, hydrophytes and halophytes.
8. Biogeochemical cycles with particular reference to C, N and P.

RECOMMENDED READINGS

1. Begon, M., Townsend, C.R. & Harper, J.L. 2006. *Ecology: From Individuals to Ecosystems*. (4th Edition) Blackwell Publishers, Australia.
2. Gurevitch, J., Scheiner, S.M. and Fox, G.A. 2006. *The Ecology of Plants* (2nd Edition). Sinauer Associates Inc, Pub. USA.
3. Kormondy, E.J. 1996. *Concepts of Ecology*. Prentice-Hall of India Pvt. Ltd., New Delhi.
4. Mackenzie, A. et al. 1999. *Instant Notes in Ecology*, Viva Books Pvt. Ltd., New Delhi.
5. Mcknney, M.L., Schoch, R.M. & Yonaujak, L. 2007. *Environmental Science: Systems and Solutions* (4th Edition). Jones and Bartl. Pub., USA.
6. Odum, E.P. 1983. *Basic Ecology*, Saunders, Philadelphia.
7. Omasa, K. Saji, H., Youssefian, S. and Kondo, N. 2005. *Air pollution and Plant Biotechnology: Prospects for Phytomonitoring and Phytoremediation*. Springer-Verlog, Tokyo, Japan.

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SUGGESTED LABORATORY EXERCISES PERTAINING TO THEORY PAPERS: PLANT ECOLOGY AND PLANT UTILIZATION:

Teachers may select plant/material available in their locality/institution.

1. To determine minimum number of quadrats required for study of a grassland.
2. To study the frequency of herbaceous species in grassland and to compare the frequency distribution with Raunkiaer's Standard Frequency Diagram.
3. To estimate Importance Value Index (IVI) for grassland species on the basis of relative frequency, relative density and relative biomass in protected and grazed grassland.
4. To measure the vegetation cover of a grassland through point frame method.
5. To measure the above ground plant biomass in a grassland.
6. To determine Kemp's constant for dicot and monocot leaves and to estimate the leaf area index of a grassland community.
7. To determine diversity indices (Richness, Simpson, Shannon Wiener) in grazed and protected grassland.
8. To estimate bulk density and porosity of grassland and woodland soil.
9. To determine moisture content and water holding capacity of grassland and woodland soil.
10. To study the vegetation structure through profile diagram.
11. To estimate transparency, pH and temperature of different water bodies.
12. To measure dissolved oxygen content in polluted and unpolluted water samples.
13. To estimate salinity of different water samples.
14. To determine the per cent leaf area injury of different leaf samples collected around polluted sites.
15. To demonstrate dust holding capacity of the leaves of different plant species.
16. Food Plants: Study of the morphology, structure and simple micro chemical tests of the food storing tissues in rice, wheat, maize, potato and sugarcane. Microscopic examination of starch in these plants (excepting sugarcane).
17. Fibres: Study of cotton flower, sectioning of the cotton ovules/developing seeds to trace the origin and development of cotton fibres. Microscopic study of cotton and test for cellulose. Sectioning and staining of jute stem showing the location and development of fibres. Microscopic structure. Tests for ligno-cellulose.
18. Vegetable Oils: study of hand sections of groundnut, mustard and coconut and staining of oil droplets with Sudan III and Sudan Black.
19. Field Visits: To study sources of firewood (10 plants), timber-yielding trees (10 trees) and bamboos. A list to be prepared mentioning special features.
20. Spices: Examine Black pepper, cloves, cinnamon (hand sections) and open fruits of cardamom and describe them briefly.
21. Preparation of an illustrated inventory of 10 medicinal plants and use their in indigenous systems of medicine of allopathy: Write their botanical and common names, parts used and diseases/disorders for which they are prescribed.
22. Beverages: Section of boiled coffee beans and tea leaves to study the characteristic structural features.

SUGGESTED READINGS FOR LABORATORY EXERCISES IN PLANT ECOLOGY AND PLANT UTILIZATION

1. APHA- *Standard Methods for the Examination of Water and Waste Water*. American Public Health Association, Washington, D.C.
2. Krebs, C.J. 1989. *Ecological Methodology*. Harper and Row, New York, USA.

SYLLABUS


B.Sc. (Zoology) Part-I (Semester-I and II)
(Session 2020-21, 2021-22 and 2022-23)

Semester-I		
THEORY		
	External Marks	Internal Assessment
Paper-I : Cell Biology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-II : Non-chordates	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
PRACTICAL		
Pertaining to Theory Paper-I and Theory Paper-II:	40	
Total Marks (Semester-I)		
Theory		80 Marks
Practical		40 Marks
Internal Assessment pertaining to Theory Paper I & II		30 Marks
Total	:	150 Marks

Semester-II		
THEORY		
	External Marks	Internal Assessment
Paper-III : Ecology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-IV : Chordates	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
PRACTICAL		
Pertaining to Theory Paper-III and Theory Paper-IV :	40	
Total Marks (Semester-II)		
Theory		80 Marks
Practical		40 Marks
Internal Assessment pertaining to Theory Paper III & IV		30 Marks
Total	:	150 Marks

Note:

- 1) The number of teaching hours per week will be three for each theory paper and three for each practical in every semester. In all, there will be 12 teaching hours per week covering both theory and practical requirements. (Six teaching hours for theory and Six teaching hours for practical per week)
- 2) There will be one Practical paper of 3 hours pertaining to the theory papers I & II in each semester. The timing of practical examination will be 9.00 am to 12.00 noon.


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SEMESTER-II

PAPER-III: ECOLOGY

Max. Marks: 55

Pass marks: 35%

Theory-40

Internal Assessment : 15

Time Allowed: 3 hours

Lectures to be delivered: 45

(Each of 45 minutes duration)

INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 6 marks each. Section C will consist of 8 short-answer type questions which will cover the entire syllabus uniformly and will carry 16 marks in all.

INSTRUCTIONS FOR CANDIDATES


Candidates are required to attempt two questions from each section A and B and the entire section C, which is compulsory.

SECTION-A

1. Ecological Hierarchy, Sub divisions of ecology, Relation and scope of Ecology.
2. Environmental Factors: Liebig's law of minimum, Shelford's law of tolerance, Concept of limiting factors, Physical factors of the environment and their effect on animals Topography, light, temperature, water, Humidity.
3. Population: Characteristics-Size & density, Natality, Mortality, Dispersion, Age structure. Biotic potential and Environment resistance, r and K strategies
4. Population Dynamics & Regulation: Population Growth curves (I and J), Survivorship curves, Population cycles - Density dependent and Density independent, Regulation of population.

SECTION-B

5. Biotic Community: General Characteristics, Food chain (Linear and Y-shaped), Food web, Flow of Energy, Ecological Pyramids, Productivity. Niche: Niche Concept, Types of Niche-Spatial, Trophic, Multidimensional; Gause's Principle, Lotka-Volterra equation for competition, Ecotone and edge effect


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6. Biotic Interactions: Intra specific interactions and Inter specific interactions (Antagonism : Competition, Predation, Parasitism, Ammensalism; Beneficial : Commensalism, Proto cooperation, Mutualism).
7. Wild life: Importance, need of conservation, conservation strategies, projects for endangered species, project tiger, crocodile breeding project, Gir lion sanctuary project, vulture breeding project.

Books Recommended

1. Kormondy E. J., *Concepts of Ecology*, Englewood Cliffs, N.J. Prentice Hall Inc., 1975.
2. Krebs C. J., *Ecology*, Harper & Row, New York, 1982.
3. E.P. Odum, *Fundamentals of Ecology*, W.B. Saunders Co., Philadelphia, 1995.
4. Dhami P. S. & Dhami J. K., *Invertebrates*, R. Chand & Co., New Delhi, 2001.
5. Barnes, R.D., *Invertebrates Zoology*, W.B. Saunders Philadelphia, 1999.
6. Cooper, G.M., Hausman, R.E. (2009) *The Cell: A molecular approach*. ASM Press and Sinauer Associates (Fifth Edition).
7. Karp, G. (2010). *Cell and Molecular Biology: Concepts and Experiments* (Sixth Edition) John Wiley & Sons Inc.

PAPER-IV : CHORDATES

Max. Marks: 55
Pass marks: 35%
Theory-40
Internal Assessment : 15

Time Allowed: 3 hours
Lectures to be delivered: 45
(Each of 45 minutes duration)

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INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 6 marks each. Section C will consist of 8 short-answer type questions (8 to 10 lines) which will cover the entire syllabus uniformly and will carry 16 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C, which is compulsory.

SECTION-A

1. Brief classification of Chordata, Chordate characters, Origin of Chordata

Punjab University, Patiala

B.Sc. (Hons.) Biotechnology Part II

CHOICE BASED CREDIT SYSTEM

Academic Session 2019-2020, 2020-21 & 2021-22

Subject and Distribution of Marks

B.Sc. (Hons.) Biotechnology Part II (3rd Semester)

SEMESTER III

Paper No and Code	Name of paper	Credit per Week	Internal Marks*	External Marks	Total Marks
5-BHB12	Genetics	4	26	74	100
6-BHB13	General Microbiology	4	26	74	100
7-BHB14	Spectroscopic Techniques-I/ Chemistry-3	4	26	74	100
SECI-BHB15	Enzymology	4	26	74	100
GE4-BHB16	Environmental Biotechnology/ Ecology & Environment Management	4	26	74	100
LC-7 (C5-BHB12)	Practical Pertaining to Theory C5-BHB12	2	---	50	50
LC-8 (C6-BHB13)	Practical Pertaining to Theory C6-BHB-13	2	---	50	50
LC-9 (C7-BHB14)	Practical Pertaining to Theory C7-BHB-14	2	---	50	50
LC-10 (SECI-BHB15)	Practical pertaining to theory SECI-BHB15	2	---	50	50
LC-11 (GE4-BHB16)	Practical pertaining to theory GE4-BHB16	2	---	50	50
Total		30	130	620	750

Note: *Weight age of different components in internal assessment is as: Attendance- 20%; written assignment/project work/Seminar/Industrial visit- 40%; two- mid semester Tests/Internal Examination- 40%

(Signature)
 (*प्रिन्सिपल, गवर्नमेंट कॉलेज पटियाला*)

(Signature)
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PAPER II
ENVIRONMENTAL BIOTECHNOLOGY

Max. Marks: 52
Pass Marks: 35%

Lectures to be delivered: 75
(Each of 45 minutes duration)
Time Allowed: 3 Hours

INSTRUCTIONS FOR INTERNAL ASSESSMENT

The internal assessment (18 marks) would comprise of 4.0 marks for attendance of candidates, 7.0 marks for assignment and 7.0 marks for internal test. Two tests would be conducted by the concerned teacher during the semester and the average of the two would be considered for internal assessment.

INSTRUCTIONS FOR THE PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective section of syllabus and will carry 8 marks each. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 20 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C.

SECTION - A

1. Introduction: Brief introduction to environment; Indicators of pollution: Physicochemical and Biological
2. Air pollution: Units of measurements, sources of pollutants and hazards.
3. Soil pollution: sources of pollutants and hazards.
4. Water pollution: sources of pollutants and hazards.
5. Waste-water treatment: a) Aerobic: Brief account of activated sludge reactors, aerated ponds and lagoons, trickling filters.
b) Anaerobic waste-water treatment: Outline of biogas production, up-flow anaerobic sludge blanket reactor, anaerobic filter reactor, contact reactor, factors affecting process operation, status of biogas production in India.

SECTION - B

6. Vermicomposting: Vermicomposting process, types of vermicomposting systems, vermicomposting product, waste management by vermicomposting, effect of wastes vermicompost on the growth and yield of plants.
7. Bioremediation: General description of bioremediation and application of biotechnology; Removal/remediation of heavy metals, pesticides and xenobiotics, paper, dye and textile industry effluents.
8. Pollutant monitoring I: Biosensors: Introduction Principle and Applications for the detection of heavy metal ions, pesticides and pathogens.
9. Pollutant monitoring II: Principle, working and applications of GC and HPLC.
10. Pollutant monitoring III: Spectroscopic techniques for monitoring pollutants.

Recommended Readings:

1. *Industrial Water Pollution* (1998) by W. Wistley Elbendelds, Jr, McGraw Hill International, India.
2. *Biotechnology-Application to Environmental Protection* (1993) by M.M. Pandey, Himalaya Publishing House, India.
3. *Commercial Biotechnology-An International Analysis* (1984) by United States, Office of Technology Assessment, DIANE Publishers, USA.
4. *Advances in Industrial Waste Water Treatment* (1999) by P.K. Goel, Technnosience Publications, India.
5. *Environmental Engineering* (1988) by H.S. Peavy and D.R. Rowe, McGraw Hill International, India.
6. *Recent books need to be added*

PRACTICALS

Max Marks: 30


Pass Marks: 35%

List of Practicals

1. Determination of TS, TDS and TSS in an industrial effluent.
2. Determination of BOD of an industrial effluent.
3. Determination of COD of an industrial effluent.
4. Estimation of Cr(VI) content in electroplating industrial effluent by spectrophotometer method.
5. Estimation of Ni(II) content in electroplating industrial effluent by spectrophotometer method.
6. Demonstration of biogas production.
7. Bioremediation of heavy metal ions/pesticides/dye or textile effluent.
8. Demonstration of vermicomposting.

Practical Performance	: 22 Marks
Viva-Voce	: 5 Marks
Practical Record	: 3 Marks




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2020-21
2021-22

SYLLABUS
BACHELOR OF LAWS PART-III
(5YEAR COURSE) (FIFTH AND SIXTH SEMESTERS)
FOR 2019-20, 2020-21 AND 2021-22 SESSIONS
SCHEME OF STUDIES

FIFTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Legal History	74	26	100
II	Environment Law	74	26	100
III	Law of Property	74	26	100
IV	Labour and Industrial Law-I	74	26	100
V	Administrative Law	74	26	100
	Total	370	130	500

SIXTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Jurisprudence	74	26	100
II	Law of Taxation	74	26	100
III	Company Law	74	26	100
IV	Labour and Industrial Law-II	74	26	100
V	Option: Any one of the following: (a) International Organisations (b) Gender Justice (c) Media and Law	74	26	100
	Total	370	130	500

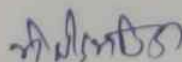
2019-20, 20+21, 21-22

Paper-II:- Environmental Law**UNIT-I**

- Meaning, Definition & Kinds of Pollution, Pollution by Fireworks.
- Ecology System.
- Factors Affecting the Environment in India.
- General Legal Provisions relating to Control of Pollution.
- Constitution of India Articles 21, 48A, 51A(g).
- Code of Civil Procedure Section 91.
- Code of Criminal Procedure Section 133.
- Indian Penal Code Ss. 268, 270, 278, 290.
- Law of Torts and Judicial Remedies.
- Environment Protection Act, 1986.
- Salient Features of National Green Tribunals Act, 2010.
- Salient Features of Sustainable Development.
- Role of Judiciary in India for the protection of Environment.
- Principles of Stockholm Declaration on the Human Environment 1972.
- Principles under the Rio Declaration on Environment & Development 1992.

UNIT-II

- The Water (Prevention and Control of Pollution) Act, 1974.
- Definition Clause
- Constitution of Central and State Board and its functions
- Joint Boards
- Power to take samples of effluents and result of analysis on samples




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- Restriction on New outlets and new Discharges
- Emergency measures in case of pollution of stream or well
- Cognizance of offences and penalties
- Appeals
- The Air (Prevention and Control of Pollution) Act, 1981. Problem of Stubble burning
- Definition Clause
- Constitution of Central and State Board and terms, conditions and disqualification of members.
- Functions of Central and State Board
- Power to take samples of Air pollutant emissions and result of analysis
- Restriction on use of certain industrial plants
- State Air laboratory
- Cognizance of offences and penalties
- Appeals
- Problem of stubble burning

Noise Pollution and Law.

- Meaning, Concept and Effects of Noise Pollution
- Legislative measures to Control Noise Pollution
- Noise Pollution and Constitution Provisions

Wild Life Protection Act, 1972

- Constitution of National Board and Functions of National Board
- Constitution of State Board and Duties of State Board
- Prevention and Detection of Offences
- Penalties

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SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-I
SESSION 2020-21 and 2021-22

Code	Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>					
101	Paper I. Fundamentals of Geomorphology	5	65	100	3 hrs.
102	Paper II. Man and Environment	5	65	100	3 hrs.
103	Paper III. Geography of India	5	65	100	3 hrs.
105	Paper V. Map Work and Practical Geography (Cartography)	5	90	100	6 hrs.
<u>ELECTIVE PAPERS</u>					
104	Paper IV:				
104 (i)	Option (i) Geography of Settlements with Special Reference to India	5	65	100	3 hrs.
104 (ii)	Option (ii) Economic Geography	5	65	100	3 hrs.

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-II
SESSION 2020-21 and 2021-22

Code	Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>					
106	Paper I. Remote Sensing and Geographic Information System	5	65	100	3 hrs.
107	Paper II. Human Impact on Environment: Issues & Perspectives	5	65	100	3 hrs.
108	Paper III. Geography of Regional Planning & Development	5	65	100	3 hrs.
110	Paper V. Map Work & Practical Geography (Morphometric Analysis & Air Photo Interpretation).	5	90	100	6 hrs.
<u>ELECTIVE PAPERS</u>					
109	Paper IV:				
109 (i)	Option (i) Applied Geomorphology	5	65	100	3 hrs.

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M.M.

PAPER - II : MAN AND ENVIRONMENT

Max. Marks: 100
Internal Assessment: 30 Marks
Periods: 65
Written Paper: 70 Marks
Pass Marks: 35%

Time Allowed: 3 Hours
Total Teaching

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective section of the Syllabus and each question will carry 10 marks. Section C will consist of 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
- (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) Candidates are required to attempt two questions each from the sections A and B of the question paper and the entire section C.
- (ii) Candidates are allowed to use outline stencil maps of the world continents/countries. They are also allowed to use simple calculators.

SECTION-A

Man and his environment

- (i) Environment: Meaning of Environment, Approaches to the study of environment, Historical perspective on man & environment relationship. 6 Periods
- (ii) Ecology & Ecosystem: Meaning and concept of ecology, sub-divisions. 5 Periods
- (iii) Ecosystem: Meaning, types of ecosystems, structure and functions of ecosystems. 6 Periods

Energy, Material and Biogeochemical Cycles

- (iv) Energy & Material Cycling in Ecosystem: Food chains and food web, Energyflow in ecosystem by grazing and

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-I
SESSION 2020-21 and 2021-22

Code	Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>					
101	Paper I. Fundamentals of Geomorphology	5	65	100	3 hrs.
102	Paper II. Man and Environment	5	65	100	3 hrs.
103	Paper III. Geography of India	5	65	100	3 hrs.
105	Paper V. Map Work and Practical Geography (Cartography)	5	90	100	6 hrs.
<u>ELECTIVE PAPERS</u>					
104	Paper IV:				
104 (i)	Option (i) Geography of Settlements with Special Reference to India	5	65	100	3 hrs.
104 (ii)	Option (ii) Economic Geography	5	65	100	3 hrs.

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-II
SESSION 2020-21 and 2021-22

Code	Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>					
106	Paper I. Remote Sensing and Geographic Information System	5	65	100	3 hrs.
107	Paper II. Human Impact on Environment: Issues & Perspectives	5	65	100	3 hrs.
108	Paper III. Geography of Regional Planning & Development	5	65	100	3 hrs.
110	Paper V. Map Work & Practical Geography (Morphometric Analysis & Air Photo Interpretation).	5	90	100	6 hrs.
<u>ELECTIVE PAPERS</u>					
109	Paper IV:				
109 (i)	Option (i) Applied Geomorphology	5	65	100	3 hrs.

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Internal Assessment: 30 Marks
Periods: 65
Written Paper: 70 Marks
Pass Marks: 35%

Total Teaching

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective section of the Syllabus and each question will carry 10 marks. Section C will consist of 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
- (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) Candidates are required to attempt two question each from the sections A and B of the question paper and the entire section C.
- (ii) Candidates are allowed to use outline stencil maps of the world/continents/countries. They are also allowed to use simple calculators.

SECTION-A

Population and Environment

- (i) Theories of Man/Habitat interaction 8 Periods
- (ii) Population Dynamics and Regulations, Population Characteristics, Population Growth Curves: S-shaped and J-shaped, Density Dependent and Density Independent Factors. 9 Periods

Man's Impact on Water & Atmosphere

- (iii) Water 8 Periods
 - a. Deliberate modifications of Rivers.
 - b. Dams and Environment.
 - c. Effects of Deforestation
 - d. Water Pollution.
- (iv) Atmosphere 8 Periods
 - a. Sources of Air Pollution
 - b. Effects of Air Pollution on Human Health, Vegetation & Material.
 - c. Indoor Air Pollution.
 - d. Measures & Controls of Air Pollution.

SECTION-B

Issues & controversies

- (v) Social Issues 8 Periods
Sustainable Development: Concepts of Sustainable Development, International Cooperation to accelerate Sustainable Development, Strategies to achieve Sustainable Development.

- (vi). Environmental controversies 8 Periods
 a. Taj Trapezium controversy
 b. Ganga Action Plan controversy
 c. Chilika Lake controversy
- Global Environmental Problems & Strategies 8 Periods
 (vii). Problems
 a. Global warming
 b. Urban Heat Island
 c. Acid Rain
 d. Ozone Depletion
- (viii). Environmental Strategies 8 Periods
 a. Stockholm Conference, 1972
 b. Vienna Conference, 1985
 b. Montreal Protocol, 1987
 d. Rio Summit, 1992
 f. Kyoto Protocol, 1997
 e. World Summit on Sustainable Development, Johannesburg, 2002
 g. Paris Summit, 2015

BOOKS RECOMMENDED

1. Agarwal, A. et. al (2001): *Poles Apart*, Centre for Science and Environment, New Delhi.
2. Cunningham, W.P. and Saigo, B.W. (1995): *Environmental Science*, Wm Brown Publisher, Dubique.
3. De A.K. (2003): *Environmental Chemistry*, New Age International Publishers, New Delhi.
4. Goudie, A. (1993): *The Human Impact*, Oxford Basil Blackwell.
5. Joseph, B. (2006): *Environmental Studies*, Tata McGraw Hill Publishing Company, New Delhi.
6. Mishra, A. (2004): *Environmental Studies*, Selective and Scientific Books, New Delhi.
7. Park, C. (1997): *Environment*, Routledge, London.
8. Raven, R.H.et. al.(1993): *Environment*, Harcourt Brace College Publishers, Florida.
9. SV, S.B. and Seth, B.L. (2010): *Sewage Canal: How to clean the Yamuna*, Centre for Science and Environment, New Delhi.
10. The World Bank (2010): *World Development Report 2010: Development and Climate Change*, The World Bank, Washington.

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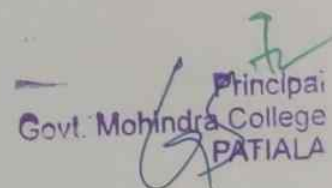
SYLLABUS
FOR
MA (PSYCHOLOGY)
PART-I
SEMESTER I & II
SESSION 2021-22, 2022-23

FOR REGULAR STUDENTS



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PSYMI203T: ENVIRONMENTAL PSYCHOLOGY

Elective Paper

Maximum Marks: 75

50

Total Teaching Periods: 60

Credits: 5

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Environmental Psychology: Nature and Scope; Research Methods
Environment and Human Perception: Theoretical Perspectives (Brunswik, Gibson, Barker, Brofenbrenner)
- (ii) Personal Space and Territoriality: Nature and Theories
Crowding and Over Population

SECTION - B

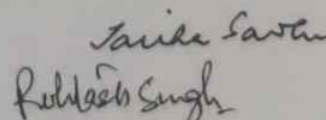

- (i) Environmental Problems with Reference to India: Pollution: Noise, Air and Water (Psychological Causes and Management)
- (ii) Psychology and Climate Change, Natural and Technological Disasters
Role of Psychologist in Environment Management and Promotion of Eco-Friendly Behaviour

REFERENCES

1. Baum, A., & Singer, J.E. (1980). *Advances in Environmental Psychology: Application of Personal Control* (Vol.II). Hillsdale, NJ: Lawrence Erlbaum Associates.
2. Bechtel, R.B. (1997). *Environment and Behaviour: An Introduction*. Thousand Oaks, CA: Sage Publications.
3. Bonnes, M., & Secchiaroli, G. (1995). *Environmental Psychology: A Psycho-Social Introduction*. London, UK: Sage Publications
4. Churchman, A., & Bechtel, R.B. (2002). *Handbook of Environmental Psychology*. New York, NY: John Wiley and Sons
5. Gifford, R. (1987). *Environmental Psychology. Principles and Practices*. Boston, MA: Allyn & Bacon.



Kamalpreet Kaur



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SYLLABUS

FOR

M.A. (SOCIOLOGY) PART-II

(For Regular/Distance Education Students)

(THIRD SEMESTER & FOURTH SEMESTER)

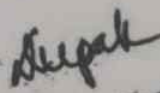
Session : 2020-2021 & 2021-2022

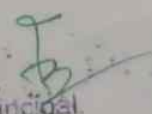


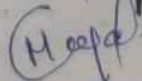
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Professor & Head,
Department of Sociology &
Social Anthropology,
Punjabi University, Patiala.


Incharge
Department of Sociology &
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Principal
Govt. Mohindra College
PATIALA


H. Gupta

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PAPER-III
ENVIRONMENTAL SOCIOLOGY

Regular/Distance Education M. Marks: 100

Time Allowed:

3hrs

Pass Marks: 25

Theory 70+Internal 30

INSTRUCTIONS FOR THE PAPER-SETTER

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(Mayal)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10½ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B.

All questions in Section C are compulsory.

Section-A

Environmental sociology

Nature: main features
Scope: the main topics and areas of ES
Emergence: phases of development

Basic concepts:

Environment: a discussion of various concepts and functions of environment Ecology and eco-system: History of concept, reasons for popularity.

Theoretical perspectives:

Human Exemptionalist Paradigm (HEP): main features of HEP, Marxist and Durkhiemian perspectives
New Ecological Paradigm (NEP):

New perspectives:

Radical ecology: Main features.
Deep ecology.
Eco-feminism: Main features.

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Section -B

Ecological Crisis:

Nature: Extent and Types.

Major issues :

resource
controversies

Population: New Malthusian and ultimate
debate GMOs, benefits and

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(Hoyal)

**1.3.1 List of Courses relevant to Professional Ethics, Gender Sensitization, Human Values and Environment Sustainability.
Session 2022-23**

Table of Contents

Sr. No.	ISSUE	PROGRAMME NAME	COURSE NAME	PAGE NO.
1	Professional Ethics	B.Com Hons Sem-6	Corporate Governance and Social Responsibility of Business	
		B.Sc hons Biotechnology Sem-4	GE-5 Entrepreneurship Bio ethics and bio safety code: BHB-21	
		Bachelor of Laws Sem-8	Professional Ethics and Professional Accounting System	
		M.A .Psychology Sem-4	Counselling Psychology	
			Personality Assessment	
M.A. Public Administration Sem-4	Emerging Areas in Indian Administration			
2	Gender Sensitization	Bachelor of laws Sem-6	Gender Justice	
		MA Sociology sem4	Gender and Society	
		MA Psychology sem2	Social Psychology	
		MA English sem3	Literature and Gender	
		MA Sociology sem2	Social Change and Social Problems in India	
3	Human Values	MA Psychology sem3	Health Psychology	
			Life Span Development	
			Personality Theories	
		All UG courses sem3	Environmental and Road safety awareness	
		B.Sc Medical sem6	Plant Ecology	
4	Environment Sustainability	B.Sc Medical sem2	Ecology	
		B.Sc Hons Biotechnology Sem-3	Environmental Biotechnology	
		Bachelor of Laws sem5	Environment Law	
		MSc Geography sem1	Man and Environment	
		MSc Geography sem2	Human Impact on Environment : issues and Perspectives	
		MA Psychology sem2	Environment Psychology	
		MA Sociology sem3	Environmental Sociology	

PUNJABI UNIVERSITY, PATIALA



**Outlines of Tests,
Syllabi and Courses of Reading
For
B.Com.(HONOURS) Part-III
(Semester V & VI)
For
2020-21, 2021-22 & 2022-23 Sessions**


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BCH-604
CORPORATE GOVERNANCE & SOCIAL RESPONSIBILITY OF BUSINESS

Time Allowed: 3 Hrs.
Period per week : 6
Pass percentage: 35%

Max. Marks: 100
External Assessment: 70
Internal Assessment: 30

Instructions for Paper-Setters/Examiners

The question paper covering the entire course shall be divided into three sections as follows:

SECTION-A

It will consist of essay type questions. Four questions shall be set by the examiner from Unit-I of the syllabus and the candidate shall be required to attempt two. Each question shall carry 10 marks; total weight of the section shall be 20 marks.

SECTION-B

It will consist of essay type questions. Four questions shall be set by the examiner from Unit-II of the syllabus and the candidate shall be required to attempt two. Each question shall carry 10 marks; total weight of the section shall be 20 marks.

SECTION-C

It will consist of 12 very short answer questions from entire syllabus. Students are required to attempt 10 questions up to five lines in length. Each question shall carry 3 marks; total weight of the section shall be 30 marks

UNIT-I

Corporate Governance: concept, meaning, scope and need of Corporate Governance, Corporate Governance mechanism, Corporate Governance and stakeholders: obligation to investors, obligation to employees, obligation to customers, managerial obligation, obligation to government. Features of good governance, Role played by regulators to improve corporate governance, Business Ethics vis-a-vis Corporate Governance; corporate and board management: types of directors: Promoter, nominee, Shareholder, Independent Board Committees: Audit Committee, Remuneration Committee, Shareholders' grievance committee, other committees.

UNIT-II

Global Perspective of Corporate Governance: Cadbury Committee, Greenburg Committee, OECD Principles of Corporate Governance. Corporate Governance in India: Kumar Mangalam Birla Committee on corporate Governance, Narayan Murthy Committee, Companies (Appointment of Small Shareholders' Director) Rules (2001), Clause 49 of listing agreement. E Governance: Meaning, scope and importance. **Corporate Social Responsibility:** Meaning, evolution of CSR. Relation between CSR and Corporate governance; environmental aspects of CSR; models of CSR in India, drivers of CSR; CSR-Legislation In India: Section 135 of Companies Act 2013.

SUGGESTED READINGS:

1. Sharma, J. P., Corporate Governance, Business Ethics & CSR, Ane Books Pvt. Ltd., New Delhi.
2. Sharma, J. P., Corporate Governance and Social Responsibility of Business, Ane Books Pvt. Ltd., New Delhi.


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B.Sc. (Hons.) Biotechnology Part II (Semester IV)

PROGRAMME CODE: BTHB3PUP

CHOICE BASED CREDIT SYSTEM
(Academic Session 2022-2023, 2023-24 & 2024-25)

Subject and Distribution of Marks

SEMESTER IV					
Paper Code	Name of paper	Credit per Week	Internal Marks*	External Marks	Total Marks
BTHB2201T	Molecular Biology	4	26	74	100
BTHB2202T	Immunology	4	26	74	100
BTHB2203T	Chemistry-4**	4	26	74	100
BTHB2204T	Spectroscopic Techniques-II**	4	26	74	100
BTHB2205T	Industrial Fermentations	4	26	74	100
BTHB2206T	IPR, Entrepreneurship Bioethics & Bio-safety**	4	26	74	100
BTHB2207T	Entrepreneurship Development**	4	26	74	100
BTHB2208T	Environmental & Road Safety Awareness (Qualifying/ as per university rules) (Shift into 3 rd Semester)	2 lectures per week	30	70	100*** (Qualifying Paper)
BTHB2201L	Practical Pertaining to BTHB2201T	2	---	50	50
BTHB2202L	Practical Pertaining to Theory Paper BTHB2202T	2	---	50	50
BTHB2203L	Practical Pertaining to Theory Paper BTHB2203T/ BTHB2204T	2	-	50	50
BTHB2204L	Practical Pertaining to Theory BTHB2205T	2	---	50	50
BTHB2205L	Practical Pertaining to Theory BTHB2206T/ BTHB2207T	2	---	50	50
Total		30	130	620	750

Note: *Weight age of different components in internal assessment is as: Attendance: 20%; written assignment/project work/Seminar/Industrial visit: 40%; two- mid semester Tests/Internal Examination- 40%

** Candidate have to select one option from papers BTHB2203T & BTHB2204T and BTHB2206T & BTHB2207T

*** Marks of the qualifying papers would not be included in total marks of the semester

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IPR, ENTREPRENEURSHIP BIOETHICS & BIOSAFETY: BTHB2206T

Time Allowed: 3hrs; MM: 74; Pass Percentage: 40 %

OBJECTIVES:

- This subject will introduce basic concepts of ethics and safety that are essential for different disciplines of science and procedures involved and protection of intellectual property and related rights.
- Students will understand balanced integration of scientific and social knowledge in sustainable development.

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and carry 11 marks each. Section C will consist of 15 short answer type questions which will cover the entire syllabus uniformly and will carry 30 marks in all.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B of the question paper and the entire section C.

SECTION-A

UNIT-I

(15 Periods)

Introduction to Indian Patent Law, Intellectual/Industrial property and its legal protection in research, design and development. Patenting in Biotechnology, ethical and depository considerations. World Trade Organization, TRIPs.

UNIT II

(20 Periods)

Entrepreneurship: Selection of a product, line, design and development processes, economics of material and energy requirement. The basic regulations of excise: Demand for a given product, feasibility of its production under given constraints of raw material, energy input, financial situations, export potential.

SECTION-B

UNIT III

(10 Periods)

Bioethics - Necessity of Bioethics, different paradigms of Bioethics - National & International Ethical issues against the molecular technologies. Intuition Ethical Committees

UNIT IV

(15 Periods)

Biosafety- Introduction to biosafety and health hazards concerning biotechnology. Introduction to the concept of containment level and Good Laboratory Practices (GLP) and Good Manufacturing Practices (GMP).

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SYLLABUS

BACHELOR OF LAWS PART-IV (SEVENTH&EIGHTH SEMESTER)

(FIVE YEARS COURSE)

For 2020-21, 2021-22 and 2022-23 sessions

SCHEME OF STUDIES

SEVENTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Law of Evidence	74	26	100
Paper-II	Land Laws including Tenure & Tenancy System	74	26	100
Paper-III	Law of Crimes - I (Penal Code)	74	26	100
Paper-IV	Moot Court Participation and Seminar-I	-	-	100*
Paper: V	Any one of the following : a) Law Relating to Information Technology and Right to Information b) Banking Law c) Health Law	74	26	100
	Total	296	104	500

EIGHTH SEMESTER

		Univ. Exam	Int. Exam	Max. Marks
Paper-I	Drafting, Pleading and Conveyancing	74	26	100
Paper-II	Professional Ethics and Professional Accounting System	74	26	100
Paper-III	Law of Crimes-II (Criminal Procedure)	74	26	100
Paper-IV	Moot Court Participation and Seminar-II	-	-	100*
Paper: V	Any one of the following : (a) Insurance Law (b) Financial Marketing Regulation (c) Law on Education (d) AVIATION LAW & AIR TRANSPORT MANAGEMENT	74	26	100
	Total	296	104	500

* For Paper- IV : Moot Court Participation and Seminar-I & Moot Court Participation and Seminar-II are of 100 marks i.e. Moot Courts (Every Student will give presentation at two moot courts with 30 marks each) = 60 marks
Court Visit = 20 marks
Seminar = 20 marks

100 marks

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Sanjeev Mehta

Paper - II : Professional Ethics and Professional Accounting System

Unit-I

Historical Introduction to Legal Profession in India : Development of Legal Profession in India
Privileges and Rights of Legal Profession, Importance, Distinction from other Professions and Business.

Admission and Enrolment of Advocates, Privileges and Rights to practice of Advocate
Composition of State Bar Council and its Powers and Functions. Constitution of Disciplinary Committee, Powers, Receipt of Complaint, Disposal and Punishment.
Bar Council of India : Composition, Functions and Powers of Bar Council of India
Conducts of Advocates : Meaning and Scope of Professional and Other Misconducts
Constitution and powers of Disciplinary Committee
Punishment of Advocate for misconduct
Disciplinary powers of Bar Council of India
Disposal of disciplinary proceedings
Powers of Review, Revision and Appeal
Right to Appeal to the Supreme Court

Unit-II

Professional Ethics of Lawyers
Duties of Advocates, Duty to Public and State
Duties towards Courts
Duties towards Clients
Duties to render Legal Aid
Duties towards Opponent, Colleagues and other Residual Duties
Conflicts between interest and duty
Bench-Bar Relationship and Lawyers' Strike
The Contempt of Courts Act, 1971 : Meaning of Contempt, Categories of Contempt, Constitutional Validity of the *Contempt of Courts Act, 1971*
Constitutional Provisions Regarding Powers of the Supreme Court and the High Courts Houses of Parliament of State Legislatives for Punishing for their Contents
Nature, Scope and Salient features of the Legal Service Authorities Act, 1987.

Suggested Readings

A.N. Chaturvedi : Pleading and Conveyancing with Advocates and Professional Ethics
Bare Act of Advocates Act, 1961 & Bar Council of India Rules
14th Law Commission of India
Dr. Ravi Karan Singh : Dispensation of Justice - Role and Accountability of Judges and Advocates, Deep & Deep, 2004.

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SYLLABUS
FOR
MA (PSYCHOLOGY)
PART-II
SEMESTER III & IV
SESSION 2021-22, 2022-23

FOR REGULAR STUDENTS



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MA PSYCHOLOGY PART II (SEM III, IV)

This page is concerned to the campus students only

SEMESTER-III

Core/ Elective	Course Title	Marks	L	T	P	Credits
PSYM2301T Core	Personality Theories	100	5	---	---	5
PSYM2302T Core	Psychometrics	100	5	---	---	5
Elective	Any one	100	5	---	---	5
PSYM2303(i)T	(i) Intelligence and Creativity					
PSYM2303(ii)T	(ii) Life Span Development					
PSYM2303(iii)T	(iii) Health Psychology					
PSYM2303(iv)T	(iv) Positive Psychology					
Elective	Any one	100	5	---	---	5
PSYM2304(i)T	(i) Organizational Behaviour					
PSYM2304(ii)T	(ii) Clinical Psychology: Child Psychopathology					
PSYM2304(iii)T	(iii) Cross Cultural Psychology					
PSYM2304(iv)T	(iv) Criminal Psychology					
PSYM2305P Core	Practical (Personality and Ability Testing, Computers)	100	10	---	5	5

SEMESTER-IV

Core/ Elective	Course Title	Marks	L	T	P	Credits
PSYM2401T Core	Personality Assessment	100	5	---	---	5
PSYM2402T Core	Research Methodology	100	5	---	---	5
Elective	Any one	100	5	---	---	5
PSYM2403(i)T	(i) Motivation and Emotions					
PSYM2403(ii)T	(ii) Counselling Psychology					
PSYM2403(iii)T	(iii) Cyber Psychology					
PSYM2403(iv)T	(iv) Psychology of Sports					
Elective	Any one	100	5	---	---	5
PSYM2404(i)T	(i) Psychological Issues in Human Resource Development					
PSYM2404(ii)T	(ii) Clinical Psychology: Adult Psychopathology					
PSYM2404(iii)T	(iii) Military Psychology					
PSYM2404(iv)T	(iv) Forensic Psychology					
PSYM2405P Core	Practical (Personality and Ability Testing, Computers)	100	10	---	5	5

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 Rohit Singh
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 Jai Sarda

SEMESTER - IV

PSYM24011: PERSONALITY ASSESSMENT

Max. Marks: 75

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Personality Assessment: Nature, History, Evaluations
Clinical versus Statistical Prediction
- (ii) Psychometric Tests: MMPI, CPI, EPQ-R, Cattell's 16 PF, NEO-PIR

SECTION- B

- (i) Projective Tests: Rorschach Inkblot Technique, TAT, Word Association Test, Sentence Completion Test
- (ii) Testing of Cultural and Linguistic Minorities
Ethical Issues in Personality Testing

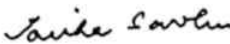
REFERENCES

1. Anastasi, A. and Urbina, S. (2004). *Psychological Testing*. Singapore: Pearson Education.
2. Corsini, R.J. and Morsella, R.J. (1983). *Personality Theories: Research and Assessment*. Illinois: Peacock.
3. Kline, P. (1983). *Personality: Measurement and Theory*. New York: St. Martin's Press.
4. Aiken, L.R. (1989). *Assessment of Personality*. Boston: Allyn and Bacon.
5. Goldstein, G. and Herson, M. (Ed.). *Handbook of Psychological Assessment*. New York: Pergamon.
6. Gregory, R. (2004). *Psychological Testing: History, Principles and Application*. New Delhi: Pearson Education.


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Kamalpreet Kaur


Rohit Singh

Sem - IV

PSYM2403(ii)T (Opt. ii): COUNSELLING PSYCHOLOGY

Max. Marks: 75

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Nature, History and APA Principles of Counselling, Training of Counsellor, Ethical Issues in Counselling
- (ii) Approaches to Counselling: Psychoanalytic, Behavioural, Cognitive, Humanistic

SECTION - B

- (i) Counselling Process: Effective Counselling Relationship, Stages, Counselling Skills Counseees Appraisal; Use of Testing and Non-Testing Techniques
- (ii) Counselling Applications: School Counselling, Family Counselling, Counselling for Child Abuse, Drug Abuse, Counselling for HIV/AIDS

REFERENCES

1. George, R.L. and Christiani, T.S. (1990). *Counselling: Theory and Practice*. Englewood Cliffs, N.J.: Prentice Hall.
2. Gladding, S.T. (1996). *Counselling: Comprehensive Approach*. Englewood Cliffs, N.J.: Prentice Hall.
3. Patterson, J.E. & Welfel, L.E.R. (2000). *The Counselling Process*. C.A.: Brooks/Cole.
4. Corey, G. (1996). *Theory and Practice of Counselling and Psychotherapy*. CA: Brooks/Cole.
5. Nelson-Jones, R. (1995). *The Theory and Practice of Counselling*. London: Cassel.
6. Shertzer, B., & Stone, S.C. (1974). *Fundamentals of Counselling*. Palo Alto: Houghton Mifflin Company.
7. Nystul, M. S. (2003). *Introduction to Counselling: An Art and Science Perspective*.

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Kamalpreet Kaur

Sarika Sarda

Rohit Singh

(2022-23)

PAPER I : EMERGING AREAS IN INDIAN ADMINISTRATION

For Regular students Six *Periods per week per paper to be delivered.*

For Regular/Distance Education Students Maximum Marks : 100 Theory: : 75 Internal Assessment: 25	For Private Students Maximum Marks: 100
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Time allowed: 3 hours
Pass marks : 35%
Total Teaching Periods: 25

INSTRUCTIONS FOR THE PAPER-SETTER

(For Regular and Distance Education Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines.

(For Private Students) : The question paper will consist of three sections: A, B and C. Sections A and B, will have four questions from the respective sections of the syllabus and will carry 16 marks each. Section C will consist of 9 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from Sections A and B of the question paper and the entire Section C. The candidates are required to answer each short type question in 50 words i.e. in 7-8 lines

Section A

1. Good Governance: Origin, Basic Elements of Good Governance, Challenges to Good Governance in India.
2. Citizen Centric Administration: Evolution, Features and Significance of Citizen's Charters.
3. Role of Regulatory Authorities: UGC
4. Police-Public Interface.
5. Ethics and Values in Public Service and in Public Administration, Code of Conduct.

Section B

6. Ethics in Governance; Criminalization of Politics and administration

Professor & Head
Deptt. of Public Administration
Punjab University

Govt. Mohindra College
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M. J. Jaiswal
(Head Department of
Public Administration)

7. Qualities of a good administrator, Are they sufficient in present scenario.
8. Nature and Types of disasters.
9. Disaster Management: The Disaster Management Act, 2005
10. Organization and Functions of National Disaster Management Authority.

SUGGESTED READINGS

- Ali Farzmand(ed.) : *Administrative Reforms in Developing Nations*, Westport, Praeger, 2002.
- Aparna Srivastava : *Role of Police (In a Changing Society)*, APH Publishing , New Delhi, 1999.
- B.P. Mathur : *Governance Reform for Vision India*, New Delhi, MacMillan, 2005.
- Bryant Edwards : *Natural Hazards*, Cambridge University Press, U.K, 2005.
- Batley, Richard and Larbi, George: *The Changing Role of Government: The reform of Public*, 2004.
- Frederickson, George H & Ghere, Richard K. (ed.) : *Ethics in Public Management*, New York: M.E. Sharpe, 2005.
- Giriraj Shah : *Image Makers (An Attitudinal Study of Indian Police)*, Abhivan Publishers, New Delhi, 1993.
- Harsh K. Gupta (ed.) : *Disaster Management*, Hyderabad, Universities Press (India) Private Limited, 2003.
- Hakikur Rehman : *Cases on Progressions and Challenges in ICT Utilization for Citizen Centric Governance*, IGI Global, USA, 2013.
- J.Y Umarinkar : *Police Reforms in India: A Sisyphean Saga- Functional Review of Indian Police A Step Towards Good Governance*, Pune, AmeyaPrakashan, 2009.
- Jennifer Bussel : *Corruption and Reform in India: Public Services in the Digital Age*, New York, Cambridge University Press, 2012.
- K.Alexander : *Police Reforms in India: An Analytical Study*, New Delhi, Discovery Publishing House, 2006.
- Mehta, Vinod (ed.) : *Reforming Administration in India*, New Delhi: Har-Anand Pub. Pvt. Ltd., 2002.
- M.B Chanda : *The Police in India*, Atlantic Publishers, New Delhi, 1997.
- Paul, Samuel : "India's Citizen's Charters: In Search of a Champion", *Economic and Political Weekly*, Vol. 43, No. 7 (February 16 - 22), pp. 67-73., 2008.
- P.J Alexander : *Policing India in the New Millennium*, New Delhi, Allied Publishers, 2002.

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M. Shrivastava

SYLLABUS
BACHELOR OF LAWS PART-III
(5YEAR COURSE) (FIFTH AND SIXTH SEMESTERS)
 For 2022-2023 and 2023-2024 sessions
SCHEME OF STUDIES

FIFTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Legal History	74	26	100
II	Environment Law	74	26	100
III	Law of Property	74	26	100
IV	Labour and Industrial Law-I	74	26	100
V	Administrative Law	74	26	100
	Total	370	130	500

SIXTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Jurisprudence	74	26	100
II	Law of Taxation	74	26	100
III	Company Law	74	26	100
IV	Labour and Industrial Law-II	74	26	100
V	Option: Any one of the following: (a) International Organisations (b) Gender Justice (c) Media and Law	74	26	100
	Total	370	130	500


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Option Paper-(b) Gender Justice

UNIT-I

Concept of Gender- Biological Distinction

- Constitutional Safeguards and Role of Judiciary.
- Convention on Elimination of All Forms of Discrimination Against Women.
- Protection of women from Domestic Violence

Gender Justice and Personal Laws

- Adoption and Guardianship Rights.
- Property and Inheritance Rights.
- Rights of Maintenance.
- Uniform Civil Code towards Gender Justice.

UNIT-II

Gender Related Crimes

- Child marriage
- Prostitution and Trafficking
- Female feticide
- Sexual harassment of Women.

Gender Justice Issues

- Women and Work
- Women and Health
- Women and Education

JH
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PATIALA
Sanjeev Mehta

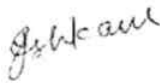
Jshkaur



SUGGESTED READINGS

1. Report of the Committee for Recommending Legislative Measures and Administrative machinery for Ensuring Environmental Protection known as Tiwari Committee, 1981.
2. Dr. Paramjit Jaswal, Environment Law.
3. Shyam Divan & Armin Rosencranz, Environmental Law and Policy in India Cases, Materials and Statute, 2001.
4. Paras Diwan (Ed Environmental Protection- Problems, Policy Administration law, 1987.
5. N.S. Kamboj, Control of Noise Pollution, 1999.
6. All Relevant Bare Acts relating to Environment Pollution.
7. S.C. Shashtri, Environment Law.


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(2022-23)

PAPER-III
GENDER AND SOCIETY

Regular/Distance Education M. Marks: 100
Pass Marks: 25
Theory 70+Internal 30

Time Allowed: 3hrs

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10% marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES


Candidates are required to attempt two questions each from sections A and B. All questions in Section C are compulsory.

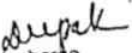
SECTION-A

- (i) Basic Concepts : Sex, gender, patriarchy, matriarchy, masculinity, femininity, gender Identity, Sex Ratio and its Social Implications.
- (ii) Theories of Feminism : Liberal, radical, marxist, socialist and Post-modernist
- (iii) Women's movement in the West.
- (iv) Women's movement in India.

SECTION-B

- (i) Women and Family : (a) Role of women.
(i) Biological perspective.
(ii) Cultural perspective.
(b) Social construction of gender.
- (ii) Women and Work : (a) Invisibility of women's work.
(b) Role of women in economy.
- (iii) Position of Women in Indian Society. : A historical perspective.
- (iv) Emerging Issues : (a) Women in politics.
(b) Violence against women.


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M. J. D.

RECOMMENDED READINGS

1. Chafetz, Janet Satzam 1990 : *Gender Equity : An Integrated Theory of Stability and Change*, New Delhi, Sage Publication.
2. Davidson, Laurie and Girdon, Laura Kramer 1979 : *The Sociology of Gender*, Chicago, Rand McNally.
3. Desai, Neera & M. Krishnaraj 1970 : *Women and Society in India*, Delhi : Ajanta Publications.
4. Dube, Leela 1988 : On the Construction of Gender, *Economic and Political Weekly*, April, 30, pp. Ws 11-19.
5. Dube Leela and Rajni Perewala (eds.) 1990 : *Structures and Strategies : Women Work and Family*, New Delhi : Sage.
6. Edgell, Stephen 2006 : *The Sociology of Work : Continuity & Change In Paid and Unpaid Work* Thousand Oaks, Sage Publication,
7. Forbes, G. 1998 : *Women in Modern India*, New Delhi : Cambridge University Press.
8. Gandhi, N. and N. Shah 1992 : *The Issues at Stake : Theory and Practice in the Contemporary Women's Movement in India*, New Delhi : Kali for women.
9. Ghadially, Rehana (ed.) 1988 : *Women in Indian Society - A Reader*, New Delhi : Sage Publications.
10. Govt. of India 1974 : *Towards Equality : Report of the National Committee on the Status of Women in India*, New Delhi.
11. Kalbagh Chetana (ed.) 1991 : *Women and Development*, New Delhi : Discovery Publishing House, Vol. 1-7.
12. Leslie, Julia (ed.) 2000 : *Invented Identities : The Interplay of Gender, Religion and Politics in India*, New Delhi, O.U.P.
13. Miller, Barbara 1997 : *The Endangered Sex*, New Delhi, Oxford Univ. Press
14. Nancy Mandell 1995 : *Feminist Issues : Race, Class & Sexuality*, Canada : Prentice Hall.
15. Tong, Rosemarie 1989 : *Feminist Thought : A Comprehensive Introduction*, Colorado : Westview Press.

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 Punjab University, Patiala.

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 Incharge
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[Signature]

THIS PAGE IS CONCERNED ONLY CAMPUS STUDENTS

M.A. (PSYCHOLOGY) PART-I
(SEMESTER I & II)
SESSION 2021-22, 2022-23

Semester-I	Paper Title	Lecture	Tutorial	Practical	Seminar	Total Credit
PSYM1101T Core	Systems and Theories of Psychology	5	---	---	---	5
PSYM1102T Core	Experimental Psychology	5	---	---	---	5
PSYM1103T Elective	Physiological Psychology	5	---	---	---	5
PSYM1104T Core	Statistics in Psychology	5	---	---	---	5
PSYM1105P Core	Practical (Lab. Experiments, Computers)	10	---	5	---	5
Semester-II						
PSYM1201T Core	Cognitive Psychology	5	---	---	---	5
PSYM1202T Core	Social Psychology	5	---	---	---	5
PSYM1203T Elective	Environmental Psychology	5	---	---	---	5
PSYM1204T Core	Experimental Designs in Psychology	5	---	---	---	5
PSYM1205T Core	Practical (Field Studies, Cognitive Testing, Computers)	10	---	5	---	5

OPEN ELECTIVE SUBJECT: - GENERAL PSYCHOLOGY

(QUALIFYING PAPER FOR OTHER STUDENTS)

THE SUBJECTS WHICH THE STUDENTS CAN OPT FROM MOOC WILL BE NOTIFIED BY THE DEPARTMENT SEMESTER WISE TIME TO TIME.

[Signature]

Kamalpreet Kaur

Principal
Govt. Mohindra College
PATIALA

Sarika Sarbu

Rohit Singh

[Signature]

Social Psychology (Sem - II)

Core Paper

Maximum Marks: 75

Total Teaching Periods: 60

Credits: 5

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Social Psychology: Nature, Historical Development and Current Trends
Methods: Observation, Survey, Laboratory & Field Experimentation and Ethics in Experimentation
Theories: Cognitive Dissonance Theory, Balance Theory, Social Exchange Theory, Attribution Theory (Kelley, Jones & Davis, Weiner)
- (ii) Applied Social Psychology:
Health: Stress, Factors affecting Stress, Health Promoting Behaviours
Law: Eye Witness Testimony and Criminal Defendants
Organization: Job Satisfaction and Entrepreneurship

SECTION B

- (i) Altruism: Factors and Theoretical Perspectives
Interpersonal Attraction: Factors and Theoretical Perspectives
- (ii) Groups: Nature, Types, Group Cohesion
Group Behaviour: Conformity & Compliance
Group Processes: Social Facilitation, Social Inhibition & Social Loafing

REFERENCES

1. Baron, R.A., & Byrne, D. (2000). *Social Psychology* (8th Ed.). New Delhi: Prentice Hall of India Pvt. Ltd.
2. Bickman, L., & Rog, D.L. (1997). *Handbook of Applied Social Research*. Thousand Oaks: Sage
3. Burke, P.J. (2006). *Contemporary Social Psychological Theories*. Stanford Social Sciences.
4. Crisp & Turner (2007). *Essential Social Psy*. London: Sage Publications Ltd.
5. Dalal, A.K., & Mista, G. (2002). *New Directions in Indian Psychology, Vol. I, Social Psychology*. New Delhi: SAGE

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Gur Saran
K. Sharma

Kamalpreet Kaur

Sandeep Singh
Rohit Singh

PUNJABI UNIVERSITY, PATIALA

SYLLABI AND COURSES OF READING
FOR
M.A. (ENGLISH) PART - II
2021-2022 & 2022-2023 EXAMINATION
(For Regular and Distance Education Candidates Only)



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Principal
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SYLLABUS
(FOR REGULAR AND DISTANCE EDUCATION CANDIDATES ONLY)
M.A. II (ENGLISH)

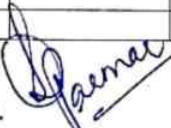
PROGRAMME CODE: ENGM2PUP

SEMESTER-III & IV, SESSIONS 2021-2022 and 2022-2023

SEMESTER III

Sr. No.	Title of Course	Course Code	Credit Hours/Week	Number of Credit	Core/ Elective Course	IA	External Exam	Total Marks
1	Literature and Modernity	ENGM2112T	5	5	Core	25	75	100
2	Twentieth Century Poetry and Fiction	ENGM2113T	5	5	Core	25	75	100
3	Literature and Gender	ENGM2114T	5	5	Core	25	75	100
4	Literature and Postcoloniality	ENGM2115T	5	5	EC	25	75	100
5	Modern Drama	ENGM2116T	5	5	EC	25	75	100
6	Indian Writing in English	ENGM2117T	5	5	EC	25	75	100
Total			20	20		100	300	400

- All Core courses are compulsory.
- The candidate has to choose one course from EC
- Interested students may register for Massive Open Online Courses (MOOC) on MHRD portal SWAYAM with the approval of the concerned HoD after due process, but it will be considered for the award of the grade as Open Elective only and it shall earn EXTRA credits.


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F1101

CORE COURSE -XI
LITERATURE AND GENDER COURSE
CODE: ENGM2114T

Time: 3 hours

Max. Marks: 100
Written Examination: 75 Marks

Internal Assessment: 25 Marks
Pass Marks: 35%

Course Objectives:

1. To familiarise the students with the key terms and history of feminist movement and gender struggles.
2. To explain how the question of gender gradually became one of the important lenses through which literary texts can be interpreted.

Course Outcomes:

1. The students will be able to appreciate the contribution of women's struggle and agency in the making of modern literature.
2. The students will develop an understanding of how women writers have interrogated the dominant literary landscape.

INSTRUCTIONS FOR THE PAPER-SETTER

UNIT-I shall have three questions out of which the students shall be required to attempt any two. Not more than one question shall be set from a text. These questions shall carry 11+11=22 marks.

UNIT-II shall have three questions out of which the students shall be required to attempt any two. Not more than one question shall be set from a text. These questions shall carry 11+11=22 marks.

UNIT-III shall comprise ten short-answer questions of about 100 words each. It shall be of 31 marks. This question shall have two parts. Part (a) shall comprise four questions aimed at testing the close reading of the texts (4+3+3+3= 13 marks). Part (b), comprising six questions, shall be based on the history/movement(s)/genre(s)/concepts, etc. pertaining to the course (3x6=18 marks).

UNIT-I

"Feminisms" - An essay by Fiona Tolan from *An Oxford Guide to Literary Theory and Criticism*, edited by Patricia Waugh
Simone de Beauvoir - *The Second Sex*: Introduction and Book I - Part III
Virginia Woolf - *A Room of One's Own*

UNIT-II

Jean Rhys- *Wide Sargasso Sea*
Bama - *Karukku*(Translated by Lakshmi Holmstrom)
Chimamanda Ngozi Adichie – *Dear Ijeawele: A Feminist Manifesto in Fifteen Suggestions*

UNIT-III

This shall include ten short-answer questions as explained above.

INTRODUCTORY READING

Davis, Kathy, Mary Evans, and Judith Lorber, editors. *Handbook of Gender and Women's Studies*. Sage, 2006.
Ghandy, Anuradha. *Philosophical Trends in Feminist Movement*. CreateSpace Independent Publishing Platform, 2016.
Walters, Margaret. *Feminism: A Very Short Introduction*. Vol. 141. OUP, 2005.

SUGGESTED READING

Fiona Tolan
Chatterji, Lola, editor. *Woman, Image, Text*. Trianka, 1986.
Evans, Judith. *Feminist Theory Today: An Introduction to Second-Wave Feminism*. Sage.

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1998.

Friedan, Betty. *The Feminine Mystique*. Edited by Kirsten Fermaglich and Lisa Fine, W.W. Norton & Company, 2013. Norton Critical Editions.

Fuller, Margaret. *Woman in the Nineteenth Century*. Dover Publications Inc., 1999.

Griffin, Susan. *Woman and Nature: The Roaring inside Her*. Counterpoint, 2016.

Thompson, Ann and Helen Wilcox. *Feminist Criticism*. Oxford U P, 1992.

Rich, Adrienne. *Of Woman Born: Motherhood as Experience and Institution*. W W Norton, 1976.

Simone de Beauvoir

Evans, Ruth. *Simone de Beauvoir's The Second Sex: New Interdisciplinary Essays*. Manchester U P, 1998.

Fallaize, Elizabeth. *Simone de Beauvoir: A Critical Reader*. Psychology P, 1998.

Scarth, Fredrika. *The Other Within: Ethics, Politics, and the Body in Simone de Beauvoir*. Rowman & Littlefield, 2004.

Simons, Margaret A. *Beauvoir and The Second Sex: Feminism, Race, and the Origins of Existentialism*. Rowman & Littlefield Publishers, 2001.

---. *Feminist Interpretations of Simone de Beauvoir*. Penn State P, 2010.

Virginia Woolf

Briggs, Julia. *Reading Virginia Woolf*. Edinburgh U P, 2006.

Goldman, Jane. *The Cambridge Introduction to Virginia Woolf*. Cambridge U P, 2006.

DiBattista, Maria. *Imagining Virginia Woolf: An Experiment in Critical Biography*. Princeton U P, 2009.

Randall, Bryony and Jane Goldman. *Virginia Woolf in Context*. Cambridge U P, 2012.

Rosenman, Ellen Bayuk. *A Room of One's Own: Women Writers and the Politics of Creativity*. Twayne Publishers, 1995.

Jean Rhys

Carl, Plasa. *Jean Rhys: Wide Sargasso Sea*. Palgrave Macmillan, 2003.

Elaine, Savory. *Jean Rhys*. Cambridge U P, 1998

Pierrette, M. Frickey. *Critical Perspectives on Jean Rhys*. Lynne Rienner Publishers, 1990.

Veronica, Marie Gregg. *Jean Rhys's Historical Imagination: Reading and Writing the Creole*. U of North Carolina P, 1995.

Bama

Chakravarti, Uma. *Gendering Caste: Through a Feminist Lens*. Edited by Maithreyi Krishnaraj, Sage, 2018. *Theorizing Feminism*.

Kumar, Raj. *Dalit Literature and Criticism*. Orient Black Swan, 2019. *Literary and Cultural Theory*.

Ravikumar, D. and R. Azhagarasan, editors. *The Oxford India Anthology of Tamil Dalit Writing*. Oxford, 2012.

Rege, Sharmila. *Writing Caste Writing Gender: Narrating Dalit Women's Testimonios*. Zubaan, 2006.

---. *Against the Madness of Mamu: B.R. Ambedkar's Writings on Brahmanical Patriarchy*. Navayana, 2013.


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M.A. (Sociology and Social Anthropology) Part-I
Semester System
Session 2021-22 & 2022-23
Programme Code of M.A. Sociology : SOCM2PUP

Note: Complete M.A. (Sociology) Course carries 80 Credits and each paper carries 5 credits (4 Lecture +1 Tutorial)

(This Scheme is for University Regular Students only)

Semester- I

Core Papers

	Credits
Paper-1 General Sociology (Sub. Code : SOCM1101T)	5(4L+1T)
Paper-2 Sociological and Anthropological Theories-I (Sub. Code: SOCM1102T)	5(4L+1T)
Paper-3 Indian Society (Sub. Code: SOCM1103T)	5(4L+1T)

Elective Paper:-

Paper-4 Methodology of Social Research-I (Sub. Code: SOCM1104T)	5(4L+1T)
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Semester- II

Core Papers

	Credits
Paper 1 Sociological and Anthropological Theories-II (Sub. Code : SOCM1205T)	5(4L+1T)
Paper 2 Social Change and Social Problems in India (Sub. Code : SOCM1205T)	5(4L+1T)
Paper-3 Perspectives on Indian Society (Sub. Code : SOCM1205T)	5(4L+1T)

Elective Paper

Paper-4 Methodology of Social Research-II (Sub. Code : SOCM1205T)	5(4L+1T)
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Important: Availability of number of seats in an elective course is subject to the space and faculty constraints of the host department.

Open Elective Subject : Introductory Sociology
(Qualifying Paper for other students in IInd Semester)

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(Mojd)

Namarta
Incharge
Department of Sociology &
Social Anthropology
Punjabi University, Patiala.

PAPER-II
SOCIAL CHANGE AND SOCIAL PROBLEMS IN INDIA
(Subject Code: SOC1206T)

Regular/Distance Education M. Marks: 100
Pass Marks: 25
Theory 70+Internal 30

Time Allowed: 3hrs

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10% marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B. Section C is compulsory.

SECTION-A

- | | | |
|-------|-----------------------------|---|
| (i) | Processes of Social Change: | Sanskritization, Westernization, Modernization. |
| (ii) | Factors Social Change: | Industrialization, Urbanization, Globalization and Education |
| (iii) | Social movements: | Definition, Nature, Characteristics and Types. |
| (iv) | Social Movements in India: | Peasant, Women's, Backward Classes, Dalit, Ethnic and Tribal. |

SECTION-B

- | | | |
|-------|---|--|
| (i) | Social Problems: | Meaning, Causes and Characteristics. |
| (ii) | Theories of Social Problems: | Social Disorganization Approach, Value Conflict Approach; Cultural Lag Approach. |
| (iii) | Population problems, Poverty, Unemployment. | |
| (iv) | Problems of the aged, Physically challenged; crime; corruption, | |

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M. J. Namaste

Incharge
Department of Sociology &
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RECOMMENDED READINGS

- | | | |
|----------------------------------|--------|---|
| 1. Ahuja, Ram | 1995. | <i>Social Problems in India</i> . Jaipur: Rawat Publications. |
| 2. Akers, R.L. & C.C. Sellers | 2004 | <i>Criminological Theories</i> , Jaipur: Rawat |
| 3. Brass, Tom (Ed.) | 2013 | <i>New Farmers' Movement in India</i> . London: Routledge publications |
| 4. Chatopadhyay, Aparajita (Ed.) | 2013 | <i>Poverty and Social Exclusion in India</i> , Jaipur: Rawat Publications |
| 5. McMichael, Philip | 2016 | <i>Development and Social Change: A Global Perspective</i> , New Delhi: Sage Publications |
| 6. Monterio, J. P. | 1996. | <i>Corruption: Control of maladministration</i> , Bombay: Mankatalss Sahoo, |
| 7. Oommen, T.K. (Ed.) | (2010) | <i>Social Movements: Concerns of Equity and Security</i> , New Delhi: Oxford University Press |
| 8. Sahoo, A.K. (ed.) | 2015 | <i>Sociology of Ageing: A Reader</i> . Jaipur: Rawat Publications |
| 9. Sahu, D.R. | 2013 | <i>Sociology of Social Movements (Studies in Indian Sociology- Vol 6)</i> . New Delhi: Sage |
| 10. Samantroy, E. & I. Upadhyay | 2012 | <i>Globalization and Social Change</i> , Jaipur: Rawat publications |
| 11. Sethna, M. J. | 1966 | <i>Socio-legal aspects of anti-social behavior</i> . Bombay: N. M. Tripathi Pvt. Ltd. |
| 12. Singer, M & B.S. Cohn (eds.) | 2015 | <i>Structure and Change in Indian Society</i> . Jaipur: Rawat publications |
| 13. Singh, Sukhdev | 2017 | <i>Punjabi Samaj Atey Bacaaav</i> . Patiala: Gracious Books |
| 14. Singh, Tarlok | 1969: | <i>Poverty and Social change</i> . Bombay. Orient Longman. |
| 15. Srinivas, M.N. | 1972. | <i>Social Change in Modern India</i> . New Delhi: Orient Longman. |
| 16. Weinstein, Jay | 2011 | <i>Social Change</i> , Jaipur: Rawat publications |


 Incharge
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 Principal
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 PATIALA


M.A PSYCHOLOGY PART II (SEM III, IV)

This page is concerned to the campus students only

SEMESTER-III

Core/ Elective	Course Title	Marks	L	T	P	Credits
PSYM2301T Core	Personality Theories	100	5	---	---	5
PSYM2302T Core	Psychometrics	100	5	---	---	5
Elective	Any one	100	5	---	---	5
PSYM2303(i)T	(i) Intelligence and Creativity					
PSYM2303(ii)T	(ii) Life Span Development					
PSYM2303(iii)T	(iii) Health Psychology					
PSYM2303(iv)T	(iv) Positive Psychology					
Elective	Any one	100	5	---	---	5
PSYM2304(i)T	(i) Organizational Behaviour					
PSYM2304(ii)T	(ii) Clinical Psychology: Child Psychopathology					
PSYM2304(iii)T	(iii) Cross Cultural Psychology					
PSYM2304(iv)T	(iv) Criminal Psychology					
PSYM2305P Core	Practical (Personality and Ability Testing, Computers)	100	10	---	5	5

SEMESTER-IV

Core/ Elective	Course Title	Marks	L	T	P	Credits
PSYM2401T Core	Personality Assessment	100	5	---	---	5
PSYM2402T Core	Research Methodology	100	5	---	---	5
Elective	Any one	100	5	---	---	5
PSYM2403(i)T	(i) Motivation and Emotions					
PSYM2403(ii)T	(ii) Counselling Psychology					
PSYM2403(iii)T	(iii) Cyber Psychology					
PSYM2403(iv)T	(iv) Psychology of Sports					
Elective	Any one	100	5	---	---	5
PSYM2404(i)T	(i) Psychological Issues in Human Resource Development					
PSYM2404(ii)T	(ii) Clinical Psychology: Adult Psychopathology					
PSYM2404(iii)T	(iii) Military Psychology					
PSYM2404(iv)T	(iv) Forensic Psychology					
PSYM2405P Core	Practical (Personality and Ability Testing, Computers)	100	10	---	5	5

Kamalpreet Kaur

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Sem - III

(2022-23)

PSY12303(iii) I (Opt. iii): HEALTH PSYCHOLOGY

Max. Marks: 75

Total Teaching Periods: 60

Minimum Mark: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiners will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines

SECTION - A

- (i) Health Psychology: Nature, Models of Health Behaviour (Bio-Psychosocial Model, Health Belief Model, Precaution Adoption Process Model)
- (ii) Stress: Concept, Models of Stress, Lazarus & Folkman, Selye
Stress Management Strategies: Biofeedback, Music Therapy, Progressive Muscular Relaxation, Guided Imagery, Meditation, Yogasana, Stress Inoculation Training

SECTION - B

- (i) Substance Abuse, Obesity, HIV/AIDS, Coronary Heart Disease: Causes, Prevention and Treatment
- (ii) Life Style and Health, Changing Health Beliefs and Attitudes, Nutrition, Exercise

REFERENCES

1. Taylor, S.F. (1991). *Health Psychology*. U.S.A.: McGraw Hill
2. Kapiem, A. (2004). *Health Psychology*. London: Blackwell Scientific Publications
3. Michie, S. (2004). *Health Psychology in Practice*. London: Blackwell Scientific Publications.
4. Bloom, B.I. (1988). *Health Psychology: A Psychological Perspective*. Englewood Cliffs, NJ: Prentice Hall.
5. Gannon, J., & Fiesta, J. (2000). *Health Psychology*. Singapore: Woodworth Thomson Learning
6. Bloom, B. I. (1988). *Health Psychology: A Psycho-Social Perspective*. NJ: Prentice Hall, Inc.
7. Singh, C., & Dalal, A. (2006). *Stress and Health*. New Delhi: Concept
8. Yadava, A. & Sharma, N. R. (2005). *Health Psychology*. New Delhi: Global Vision Publishing House
9. Taylor, S.F. (1999). *Health Psychology*. Singapore: McGraw Hill Book Co
10. Friedman, J. F. (1998). *Health Psychology in Global Perspectives*. Thousand Oaks, CA: Sage

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Dr. Sandeep

Akhan

Kamalpreet Kaur

Page 10 of 29
Rohit Singh

Sanjeev Singh

Sem-III

(2022-23)

PSYM2303(ii)T (Opt. ii): LIFE SPAN DEVELOPMENT

Max. Marks: 75

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Life Span Development: Concept & Principles
Pre-Natal Development: Stages, Factors, Hazards
- (ii) Infancy and Childhood:
Cognitive Development: Piaget
Moral Development: Kohlberg
Language Development: Chomsky
Socio-Cultural Development: Vygotsky

SECTION - B

- (i) Puberty & Adolescence: Physiological and Psychological Changes, Theories of Identity Formation (Erikson, Marcia)
Parenting Styles: Diana Baumrind, Attachment Theory: Bowlby, Ainsworth
- (ii) Adulthood: Psychosocial Theories of Development in Adulthood, Critical Issues in Adulthood (Levinson, Vaillant)
Old Age: Physical, Emotional & Cognitive Challenges
Theories of Grief & Bereavement: Kubler-Ross, Stroebe & Schut

REFERENCES

1. Sigelman, C. K., & Rider, E. A. (2005). *Life-Span Human Development*. New Delhi: Cengage.
2. Berk, L.E. (2009). *Development through the Lifespan*. New Delhi: Pearson.
3. Brodmsky, D.M., Garmly, A.V. & Aniborn, S.R. (1986). *Life Span Human Development*. New Delhi: B.S. Publisher.
4. Piaget, J. (1968). *Developmental Psychology*. NY: McGraw Hill Book Company.
5. Erikson, E. (1996). *Human Development*. NJ: Prentice Hall Upper Saddle River.
6. Lamb, D., Lamb, E. & Mavis (1997). *Child Psychology: A Contemporary Viewpoint* (5th Ed.) McGraw Hill Companies Inc.
7. Meadows, S. (2017). *Understanding Child Development*. UK: Routledge.

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Rohit Singh

(2022-23)

SEMESTER-III

PSYM2301T: PERSONALITY THEORIES

Max. Marks: 75

Total Teaching Periods: 60

Minimum Mark: 35%

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER - SETTER

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Personality: Concept, Nature of Personality Theory, Assumptions Concerning Human Nature
- (ii) Psychoanalytic and Post Freudian Theories: Freud, Jung, Adler, Fromm, Horney, and Erikson

SECTION - B

- (i) Trait Theories: Allport, Cattell, Eysenck, Big Five Model
- (ii) Social Learning Theory: Bandura
- Cognitive Theory: Kelley's Personal-Construct Theory
- Humanistic Phenomenological Perspective: Rogers, Maslow

REFERENCES

1. Corsini, R.J. and Morselia, R.J. *Personality Theories: Research and Assessment*. Illinois: Peacock.
2. Hall, C.S., Lindzey, J.C. and Manosevitz, M. (1985). *Introduction to Theories of Personality*. New York: John Wiley & Sons.
3. Kline, P. (1983). *Personality, Measurement and Theory*. New York: St. Martin's Press.
4. Robert, L.B. (1993). *Theories of Personality*. London: Lawrence Erlbaum Associates.
5. Pervin L.A. (1981). *Personality Theories, Assessment and Research*. New York: John Wiley & Sons.
6. Hjelle and Ziegler (1992). *Personality Theories*. Singapore: McGraw Hill.
7. Aitken, L.R. (1989). *Assessment of Personality*. Boston: Allyn and Bacon.
8. Friedman, H.S. and Schustack, M.W. (2004). *Personality: Classic Theories and Modern Research*. Singapore: Pearson Education

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Principal
Gurpreet Singh

Kamalpreet Kaur

Sandeep Kaur

Rohit Singh

Punjab University, Patiala, All UG Courses - IInd Year (3rd Semester) Environmental and Road
Safety Awareness Session: 2022-23, 2023-24 & 2024-25
All UG Courses - IInd Year (3 Semester) Environmental and Road Safety Awareness
Session: 2022-23, 2023-24 & 2024-25

Total Marks: 100
Theory: 70 marks
Internal Assessment: 15
(5 for Attendance & 10 for MS1)
Mandatory field visit to PFI
Science City & Report: 15 Marks

Max Time: 3hrs
Lectures per week: 5
Credits: 04

INSTRUCTIONS FOR THE PAPER SETTERS (Regular Students)

The question paper will consist of three sections A, B and C. Each of sections A and B will have four questions from the respective sections of the syllabus. Each question shall carry 10 marks. Section C will consist of 10 short answer type questions of 3 marks each.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt any two questions from each section A and B. Section C is compulsory.

PRIVATE/DISTANCE EDUCATION STUDENTS

Max Marks: 100

Max Time: 3hrs.
Lectures per week: 5

INSTRUCTIONS FOR THE PAPER SETTERS

The question paper will consist of three sections A, B and C. Each of sections A and B will have four questions from the respective sections of the syllabus. Each question shall carry 10 marks. Section C will consist of 10 short answer type questions of 3 marks each.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt any two questions from each section A and B. Section C is compulsory.


SECTION-A

INTRODUCTION TO ENVIRONMENTAL STUDIES:

The multidisciplinary nature of environmental studies. Definition, scope and importance Concept of Biosphere - Lithosphere, Hydrosphere, Atmosphere.

ECOSYSTEM & BIODIVERSITY CONSERVATION

Ecosystem and its components, Types of Ecosystems Biodiversity - Definition and Value, Threats to biodiversity and its conservation Level of biological diversity, genetic, species and ecosystem diversity; bio-geographic zones of India; biodiversity patterns and global biodiversity hot spots. India as Mega-biodiversity nation; Endangered and endemic species of India. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and informational value.


Professor & Head
Department of Zoology &
Environmental Sciences
Punjab University, Patiala-147002


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NATURAL RESOURCES-RENEWABLE AND NON RENEWABLE RESOURCES

Land resources and land use change; land degradation, soil erosion and desertification
Deforestation: causes and impacts due to mining, dam building on environment, Forests, Biodiversity
and tribal populations.
Water: Use and over-exploitation of surface and ground water; Floods; Droughts; conflicts over water
(international & inter state)
Energy resources: renewable and nonrenewable energy sources; air pollution; energy crisis; growing energy needs; case studies.

Environmental Pollution

Environmental Pollution: types, causes, effects and controls; Air, Water, soil and noise pollution
Nuclear hazards and human health risks Solid waste management, Source Segregations, Control
measures of urban and Industrial waste, Pollution case studies

SECTION-B

ENVIRONMENTAL PROTECTION LAWS IN INDIA

Environmental protection act for, Air (Prevention and control of pollution) Water (Prevention and
Control of pollution) Wild life -Forest Conservation Issues involved in the enforcement of
environmental legislation Role of an individual in prevention of pollution.
Environmental policies & Practices; Climate change, global warming, ozone layer depletion, acid rain
and impacts on human communities and agriculture.

Human Communities and the Environment

Human population growth; Impacts on environment human health and welfare Sanitation &
Hygiene, Resettlement and rehabilitation of project affected persons; case studies Disaster
management: floods, earthquake cyclones and landslides Environment movements: Chipko, Silent
valley Bishnois of Rajasthan Environmental ethics: Role of Indian and other religions and cultures in
environmental conservation for a Clean green pollution free state.
Environmental communication and public awareness case studies (e.g. CNG vehicles in Delhi)

ROAD SAFETY AWARENESS

Concept and significance of Road safety, Traffic signs, Traffic rules Traffic Offences and penalties,
How to obtain license, Role of first aid in Road Safety.

Stubble Burning

Meaning of Stubble burning

Impact on health & environment.

Management and alternative uses of crop stubble

Environmental Legislations and Policies for Restriction of Agriculture Residue Burning in Punjab.

Field Work

Visit to an area to document environmental assets: river Forest Flora Fauna etc.

Visit to Local polluted site urban/Rural Industrial Agricultural

Study of common Plants Insects, Birds and basic principles of identification

Study of simple ecosystems-pond river, Delhi Ridge etc.

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Professor & Head
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Environmental Sciences
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Suggested Readings

1. Carson, R 2002. Silent Spring. Houghton Mifflin Harcourt
2. Gadgil M. & Guha R. 1993. This Fossil Land: An Ecological History of India. Univ. of California Press
3. Gleeson B. and Low N. eds (1999). Global Ethics and Environment. London: Routledge.
4. Gleick P.H. 1993. Water in Crisis. Pacific Institute for Studies in Dev. Environment & Security. Stockholam Env. Institute, Oxford Univ. Press
5. Groom, Martha J. Gary K. Meffe and Carl Ronald Carroll, Principles of Conservation Biology. Sunderland: Sinauer Associates, 2006
6. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India. Himalayas dams. Science, 339:36-37.
7. McCully, P. 1996. Rivers no more: the environmental effects of dams (pp 29-64). Zed Books
8. McNeill John R. 2000. Something New Under the Sun: An Environmental History of the Twentieth Century.
9. Odum E.P. & Andrews J. 1971. Fundamentals of Ecology. Philadelphia: Saunders
10. Pepper, IL., Gerba, C.P & Brusseau, M.L. 2011. Environmental and Pollution Sciences. Academic Press
11. Rao, M.N. & Datta, A.K. 1987. Waste Water Treatment. Oxford and IBH Publishing Co. Pvt.Ltd
12. Raven, P.H., Hassenzahl, D.M & Berg R. 2012. Environment 8Th edition John Wiles & Sons
13. Roseneranz A. Divan, S., & Nobie, M.L. 2001. Environmental law and policy in India. Tripathi 1992
14. Sengupta, R. 2003. Ecology and economics: An approach to sustainable development. OUP
15. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi.
16. Sodhi N.S. Gibson & Raven P.H (eds) 2013. Conservation Biology: Voices from the Tropics. John Wiley & Sons.
17. Thapar V. 1998. Land of the Tiger: A Natural History of the Indian Subcontinent
18. Warren C.E. 1971. Biology and Water Pollution Control. WB Saunders
19. Wilson, I. O. 2006. The Creation: An appeal to save life on earth. New York. Norton
20. World commission on Environment and Development. 1987. Our Common Future. Oxford University Press


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SYLLABUS

B.Sc. (Botany) Part-III (Semester-V and VI)
(Session 2021-22, 2022-23 and 2023-24)

Semester-V		
THEORY		
	External Marks	Internal Assessment
Paper-IX: Plant Physiology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-X: Plant Growth, Development and Biotechnology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
PRACTICAL		
Pertaining to Theory Paper-IX	40	
Pertaining to Theory Paper -X		
Total Marks (Semester-V)		
Theory		80 Marks
Practical		40 Marks
Internal Assessment Pertaining to Theory Paper-IX & X		30 Marks
Total	:	150 Marks

Semester-VI		
THEORY		
	External Marks	Internal Assessment
Paper-XI: Plant Ecology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-XII: Plant Utilization	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
PRACTICAL		
Pertaining to Theory Paper -XI	40	
Pertaining to Theory Paper -XII		
Total Marks (Semester-VI)		
Theory		80 Marks
Practical		40 Marks
Internal Assessment Pertaining to Theory Paper XI & XII		30 Marks
Total	:	150 Marks

Note:

- 1) The number of teaching hours per week will be three for each theory paper and three for each practical in every semester. In all, there will be 12 teaching hours per week covering both theory and practical requirements. (Six teaching hours for theory and Six teaching hours for practical per week)
- 2) Practical paper in each semester will be of 3 hours. The timing of practical examination will be 9.00 am to 12.00 noon.

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(Signature)

Paper-XI: PLANT ECOLOGY

Max. Marks: 55 marks

Total Teaching hours: 45

Pass Marks: 35% in Theory and Practical Separately

Time Allowed: 3 Hours

Theory Paper: 40 marks

Internal Assessment: 15 marks

Objective of the paper is to make the students conversant with the basic concepts of Ecology and make them aware of the various Environmental issues.

INSTRUCTIONS FOR THE PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective section of syllabus and will carry 6 marks each. Section C will consist of 8 short-answer type questions (8-10 lines) of 2 marks each which will cover the entire syllabus uniformly and will carry 16 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C, which is compulsory.

SECTION-A

1. Concept of ecology and its scope. Environmental factors: climatic, edaphic, topographic and biotic. Shelford's law of tolerance.
2. Population ecology: Characteristics, positive and negative interaction, growth forms, carrying capacity, ecotypes and ecads.
3. Community ecology: Community characteristics, frequency, density and abundance, cover, life forms, ecological succession (Hydrosere, Xerosere). Gause principle of competitive exclusion.
4. Structure and concept of ecosystem, ecological pyramids, food chain, food web, ecological energetics, ecological productivity.

SECTION-B

5. Environmental issues: Brief idea of air, water, noise and soil pollution. Global warming and ozone depletion. International efforts for mitigation of global climate change.
6. Biodiversity: Introduction and Importance of Biodiversity; Elements of Biodiversity: Genetic, species and ecological diversity. Conservation strategies, concept of hot spots, biomes, phytogeographic regions of India, vegetation types (Forests, Grasslands, Desserts and Wetlands).
7. Ecological adaptations in xerophytes, hydrophytes and halophytes.
8. Biogeochemical cycles with particular reference to C, N and P.

RECOMMENDED READINGS

1. Begon, M., Townsend, C.R. & Harper, J.L. 2006. *Ecology: From Individuals to Ecosystems*. (4th Edition) Blackwell Publishers, Australia.
2. Gurevitch, J., Scheiner, S.M. and Fox, G.A. 2006. *The Ecology of Plants* (2nd Edition). Sinauer Associates Inc, Pub. USA.
3. Kormondy, E.J. 1996. *Concepts of Ecology*. Prentice-Hall of India Pvt. Ltd., New Delhi.
4. Mackenzie, A. et al. 1999. *Instant Notes in Ecology*, Viva Books Pvt. Ltd., New Delhi.
5. Mckaney, M.L., Schoch, R.M. & Yonaujak, L. 2007. *Environmental Science: Systems and Solutions* (4th Edition). Jones and Bartl. Pub., USA.
6. Odum, E.P. 1983. *Basic Ecology*, Saunders, Philadelphia.
7. Omasa, K. Saji, H., Youssefian, S. and Kondo, N. 2005. *Air pollution and Plant Biotechnology: Prospects for Phytomonitoring and Phytoremediation*. Springer-Verlog, Tokyo, Japan.

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(INDIA)

(Established under Punjab Act No. 35 of 1961)



Faculty of Life Sciences

Outline of Course and Syllabi

for

B.Sc. Zoology

Sessions: 2020-21, 2021-22 and 2022-23

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*Harinder
Kaur*

SYLLABUS
B.Sc. (Zoology) Part-I (Semester-I and II)
 (Session 2020-21, 2021-22 and 2022-23)

Semester-I

THEORY		
	External Marks	Internal Assessment
Paper-I : Cell Biology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-II : Non-chordates	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
PRACTICAL		
Pertaining to Theory Paper-I and Theory Paper-II:	40	
Total Marks (Semester-I)		
Theory		80 Marks
Practical		40 Marks
Internal Assessment pertaining to Theory Paper I & II		30 Marks
Total	:	150 Marks

Semester-II

THEORY		
	External Marks	Internal Assessment
Paper-III : Ecology	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
Paper-IV : Chordates	40	15 (Attendance: 3 + Assignment: 6 + House Test 6)
PRACTICAL		
Pertaining to Theory Paper-III and Theory Paper-IV :	40	
Total Marks (Semester-II)		
Theory		80 Marks
Practical		40 Marks
Internal Assessment pertaining to Theory Paper III & IV		30 Marks
Total	:	150 Marks

Note:

- 1) The number of teaching hours per week will be three for each theory paper and three for each practical in every semester. In all, there will be 12 teaching hours per week covering both theory and practical requirements. (Six teaching hours for theory and Six teaching hours for practical per week)
- 2) There will be one Practical paper of 3 hours pertaining to the theory papers I & II in each semester. The timing of practical examination will be 9.00 am to 12.00 noon.

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Havinder Pooni

SEMESTER-II
PAPER-III: ECOLOGY

Max. Marks: 55
Pass marks: 35%
Theory-40
Internal Assessment : 15

Time Allowed: 3 hours
Lectures to be delivered: 45
(Each of 45 minutes duration)

INSTRUCTIONS FOR PAPER SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 6 marks each. Section C will consist of 8 short-answer type questions which will cover the entire syllabus uniformly and will carry 16 marks in all.

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C, which is compulsory.

SECTION-A

1. Ecological Hierarchy, Sub divisions of ecology, Relation and scope of Ecology.
2. Environmental Factors: Liebig's law of minimum, Shelford's law of tolerance, Concept of limiting factors, Physical factors of the environment and their effect on animals Topography, light, temperature, water, Humidity.
3. Population: Characteristics-Size & density, Natality, Mortality, Dispersion, Age structure. Biotic potential and Environment resistance, r and K strategies
4. Population Dynamics & Regulation: Population Growth curves (I and J), Survivorship curves, Population cycles - Density dependent and Density independent, Regulation of population.

SECTION-B

5. Biotic Community: General Characteristics, Food chain (Linear and Y-shaped), Food web, Flow of Energy, Ecological Pyramids, Productivity. Niche: Niche Concept, Types of Niche-Spatial, Trophic, Multidimensional; Gause's Principle- Lotka-Volterra equation for competition, Ecotone and edge effect

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6. Biotic Interactions: Intra specific interactions and Inter specific interactions (Antagonism : Competition, Predation, Parasitism, Ammensalism; Beneficial : Commensalism , Proto cooperation, Mutualism).

7. Wild life: Importance, need of conservation, conservation strategies, projects for endangered species, project tiger, crocodile breeding project, Gir lion sanctuary project, vulture breeding project.

Books Recommended

1. Kormondy E. J., *Concepts of Ecology*, Englewood Cliffs, N.J. Prentice Hall Inc., 1975.
2. Krebs C. J., *Ecology*, Harper & Row, New York, 1982.
3. E.P. Odum, *Fundamentals of Ecology*, W.B. Saunders Co., Philadelphia, 1995.
4. Dhami P. S. & Dhami J. K., *Invertebrates*, R. Chand & Co., New Delhi, 2001.
5. Barnes, R.D., *Invertebrates Zoology*, W.B. Saunders Philadelphia, 1999.
6. Cooper, G.M., Hausman, R.E. (2009) *The Cell: A molecular approach*. ASM Press and Sinauer Associates (Fifth Edition).
7. Karp, G. (2010). *Cell and Molecular Biology: Concepts and Experiments* (Sixth Edition) John Wiley & Sons Inc.

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Hasminder Kaur

PUNJABI UNIVERSITY,
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(Established under Punjab Act No. 35 of 1961)



Syllabi

for

B.Sc.(HONS.)- BIOTECHNOLOGY

PART 2 (Semester III & IV)

PROGRAMME CODE: BTHB3PUP

(Choice Based Credit System)

for

Sessions: 2022-23, 2023-24, 2024-25

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Faculty of Life Sciences,

Punjabi University, Patiala

B.Sc. (Hons.) Biotechnology Part II (Semester III)

PROGRAMME CODE: BTHB3PUP

CHOICE BASED CREDIT SYSTEM

(Academic Session 2022-2023, 2023-24 & 2024-25)

Subject and Distribution of Marks

SEMESTER III					
Paper Code	Name of paper	Credit per Week	Internal Marks*	External Marks	Total Marks
BTHB2101T	Genetics	4	26	74	100
BTHB2102T	General Microbiology	4	26	74	100
BTHB2103T	Chemistry-3**	4	26	74	100
BTHB2104T	Spectroscopic TechniquesI**	4	26	74	100
BTHB2105T	Enzymology	4	26	74	100
BTHB2106T	Environmental Biotechnology**	4	26	74	100
BTHB2107T	Ecology & Environment Management**	4	26	74	100
BTHB2101L	Practical Pertaining to Theory BTHB2101T	2	---	50	50
BTHB2102L	Practical Pertaining to Theory BTHB2102T	2	---	50	50
BTHB2103L	Practical pertaining to Theory Paper BTHB2103T/ BTHB2104T	2	---	50	50
BTHB2104L	Practical pertaining to theory BTHB2105T	2		50	50
BTHB2105L	Practical pertaining to Theory Paper BTHB2106T/ BTHB2107T	2		50	50
Total		30	130	620	750

Note: *Weightage of different components in internal assessment is as: Attendance 20%, written assignment project work/Seminar/Industrial visit, 40%, two- mid semester Tests/Internal Examination- 40%
 ** Candidate have to select one option from papers BTHB2103T & BTHB2104T and one option from papers BTHB2106T & BTHB2107T

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ENVIRONMENTAL BIOTECHNOLOGY: BTIB2106T

Time Allowed: 3hrs; MM: 74; Pass Percentage: 40%

OBJECTIVES:

- Students will know the basic physiology of a microorganism and how their structure dictates their function in the environment.
- Students will understand the bases for microbial metabolism of environmental contaminants
- Students will know various techniques to modify and augment microorganisms in the laboratory and environment
- Students will understand the principles of bioremediation, phytoremediation, bioleaching and waste water treatment.

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and carry 11 marks each. Section C will consist of 15 short answer type questions which will cover the entire syllabus uniformly and will carry 30 marks in all.

INSTRUCTIONS FOR THE CANDIDATES

- Candidates are required to attempt two questions each from sections A and B of the question paper and the entire section C.

SECTION-A

UNIT I

(18 Periods)

Conventional fuels and their environmental impact - Firewood, Plant, Animal, Water.
Coal and Gas. Modern fuels and their environmental impact - Methanogenic bacteria, Biogas, Microbial hydrogen Production, Conversion of sugar to alcohol Gasohol

UNIT II

(20 Periods)

Bioremediation of soil & water contaminated with oil spills, heavy metals and detergents. Degradation of lignin and cellulose using microbes, Phytoremediation, Degradation of pesticides and other toxic chemicals by micro-organisms- degradation aromatic and chlorinated hydrocarbons and petroleum products.

SECTION-B

UNIT III

(12 Periods)

treatment of municipal waste and Industrial effluents. Bio-fertilizers
Role of symbiotic and asymbiotic nitrogen fixing bacteria in the enrichment of soil. Algal and fungal nitrifiers (VAM)

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UNIT IV

(10 Periods)

Bioleaching, Enrichment of ores by microorganisms (Gold, Copper and Uranium)
Environmental significance of genetically modified microbes, plants and animals

SUGGESTED READINGS

1. Environmental Science, S.C. Santra
2. Environmental Biotechnology, Pradipta Kumar Mohapatra
3. Environmental Biotechnology - Concepts and Applications, Hans-Joachim Jordening and Josef Winter
4. Waste Water Engineering, Metcalf and Eddy, Tata McGraw hill
5. Agricultural Biotechnology, S.S. Purohit
6. Environmental Microbiology : Methods and Protocols, Alicia L. Ragout De Spencer, John F.T. Spencer
7. Introduction to Environmental Biotechnology, Milton Wainwright
8. Principles of Environmental Engineering, Gilbert Masters
9. Wastewater Engineering - Metcalf & Eddy


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SYLLABUS
BACHELOR OF LAWS PART-III
(5YEAR COURSE) (FIFTH AND SIXTH SEMESETERS)
 For **2022-2023** and 2023-2024 sessions
SCHEME OF STUDIES

FIFTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Legal History	74	26	100
II	Environment Law	74	26	100
III	Law of Property	74	26	100
IV	Labour and Industrial Law-I	74	26	100
V	Administrative Law	74	26	100
	Total	370	130	500

SIXTH SEMESTER

Paper	Subject	Univ. Exam.	Internal* Assessment	Max. Marks
I	Jurisprudence	74	26	100
II	Law of Taxation	74	26	100
III	Company Law	74	26	100
IV	Labour and Industrial Law-II	74	26	100
V	Option: Any one of the following: (a) International Organisations (b) Gender Justice (c) Media and Law	74	26	100
	Total	370	130	500

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 PATIALA

Sanjeev Mehta

6/5/24

Paper-II:- Environmental Law

UNIT-I

- Meaning, Definition & Kinds of Pollution, Pollution by Fireworks.
- Ecology System.
- Factors Affecting the Environment in India.
- General Legal Provisions relating to Control of Pollution.
- Constitution of India Articles 21, 48A, 51A(g).
- Code of Civil Procedure Section 91.
- Code of Criminal Procedure Section 133.
- Indian Penal Code Ss. 268, 270, 278, 290.
- Law of Torts and Judicial Remedies.
- Environment Protection Act, 1986.
- Salient Features of National Green Tribunals Act, 2010.
- Salient Features of Sustainable Development.
- Role of Judiciary in India for the protection of Environment.
- Principles of Stockholm Declaration on the Human Environment 1972.
- Principles under the Rio Declaration on Environment & Development 1992.

UNIT-II

- The Water (Prevention and Control of Pollution) Act, 1974.
- Definition Clause
- Constitution of Central and State Board and its functions
- Joint Boards
- Power to take samples of effluents and result of analysis on samples
- Restriction on New outlets and new Discharges
- Emergency measures in case of pollution of stream or well

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Ranjeet Singh
Gurkaur

- Cognizance of offences and penalties
- Appeals
- **The Air (Prevention and Control of Pollution) Act, 1981. Problem of Stubble burning**
- Definition Clause
- Constitution of Central and State Board and terms, conditions and disqualification of members.
- Functions of Central and State Board
- Power to take samples of Air pollutant emissions and result of analysis
- Restriction on use of certain industrial plants
- State Air laboratory
- Cognizance of offences and penalties
- Appeals
- Problem of stubble burning

Noise Pollution and Law.

- Meaning, Concept and Effects of Noise Pollution
- Legislative measures to Control Noise Pollution
- Noise Pollution and Constitution Provisions

Wild Life Protection Act, 1972.

- Constitution of National Board and Functions of National Board
- Constitution of State Board and Duties of State Board
- Prevention and Detection of Offences
- Penalties

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Ranpreet Singh

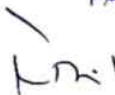
PUNJABI UNIVERSITY, PATIALA

ORDINANCES
AND
OUTLINES OF TESTS,
SYLLABI AND COURSES OF READING
FOR
M.SC. (GEOGRAPHY) PART – I (SEMESTER I & II)
SESSION 2022-23 AND 2023-24



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SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-I
SESSION 2022-23 and 2023-24

Programme Code : GEOM2PUP

Paper Code	Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>					
GEOM1101T	Paper I. Fundamentals of Geomorphology	5	65	100	3 hrs.
GEOM1102T	Paper II. Man and Environment	5	65	100	3 hrs.
GEOM1103T	Paper III. Geography of India	5	65	100	3 hrs.
GEOM1106P	Paper V. Map Work and Practical Geography (Cartography)	5	90	100	6 hrs.
<u>ELECTIVE PAPERS</u>					
Paper IV:					
GEOM1104T	Option (i) Geography of Settlements with Special Reference to India	5	65	100	3 hrs.
GEOM1105T	Option (ii) Economic Geography	5	65	100	3 hrs.

SYLLABUS
M. Sc. (GEOGRAPHY) PART -I, SEMESTER-II
SESSION 2022-23 and 2023-24

Paper Code	Title of Paper	Credits	No. of Lectures	Max. Marks	Time Allowed
<u>CORE PAPERS</u>					
GEOM1201T	Paper I. Remote Sensing and Geographic Information System	5	65	100	3 hrs.
GEOM1202T	Paper II. Human Impact on Environment: Issues & Perspectives	5	65	100	3 hrs.
GEOM1203T	Paper III. Geography of Regional Planning & Development	5	65	100	3 hrs.
GEOM1206P	Paper V. Map Work & Practical Geography (Morphometric Analysis & Air Photo Interpretation).	5	90	100	6 hrs.
<u>ELECTIVE PAPERS</u>					
Paper IV:					
GEOM1204T	Option (i) Applied Geomorphology	5	65	100	3 hrs.
GEOM1205T	Option (ii) Introduction to Sustainable Development: Global Perspective	5	65	100	3 hrs.

Appinder Kaur
13/01/2022
Principal

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V. Singh

K.M.1

PAPER - II : MAN AND ENVIRONMENT

Max. Marks: 100
Internal Assessment: 30 Marks
Written Paper: 70 Marks
Pass Marks: 35%

Time Allowed: 3 Hours
Total Teaching Periods: 65

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective sections of the syllabus and each question will carry 10 marks. Section C will consist of 15 short-answer type questions and candidates have to attempt 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
- (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) The internal assessment of 30 marks will constitute of 12 marks for Mid-Semester Test (MST), 12 marks for the assignment and 6 marks for the attendance.
- (ii) Candidates are required to attempt two question each from the sections A and B of the question paper and 10 short-answer type questions out of 15 in section C.
- (iii) Candidates are allowed to use outline stencil maps of the world/continents/countries. They are also allowed to use simple calculators.

SECTION-A

Man and his environment

- (i) Environment: Meaning of Environment, Approaches to the study of environment, Historical perspective on man & environment relationship. 6 Periods
- (ii) Ecology & Ecosystem: Meaning and concept of ecology, subdivisions. 5 Periods
- (iii) Ecosystem: Meaning, types of ecosystems, structure and functions of ecosystems. 6 Periods

Energy, Material and Biogeochemical Cycles

- (iv) Energy & Material Cycling in Ecosystem: Food chains and food web, Energyflow in ecosystem by grazing and detritus food chains, Pyramids of Numbers, Biomass and Energy. 8 Periods
- (v) Bio-geochemical cycles: Carbon, Oxygen, Nitrogen, Phosphorus & Sulphur Cycles. 8 Periods

SECTION-B

Human Impact on Geomorphic Features and Soil

- (vi) Man's Impact on Geomorphic Features by Excavation and mining, Construction and Dumping, and Ground Subsidence. 8 Periods
- (vii) Man's impact on soil: Causes and consequences of salinity, soil erosion associated with deforestation, desertification. 8 Periods

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13/01/2022
Aminder Kaur

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Y. Singh

LM

Human impact on Vegetation and Animals, Environment Legislations		
(viii)	Man's Impact on Vegetation due to use of Fire, & Deforestation, Desertification and Pollution	4 Periods
(ix)	Man's Impact on animals with special reference of Domestication, Expansion, Contraction and Extinction of animals.	4 Periods
(x)	Environmental Laws: Pollution Act of Air & Water, Forest Act, Forest Conservation & Protection, Social forestry and Conservation of Biodiversity & Wild Life Act.	8 Periods

RECOMMENDED READINGS

1. Chander, R.C. (2004): *Environmental Geography*, Kalyani Publisher, New Delhi.
2. Cunningham, W.P. and Saigo, B.W. (1995): *Environmental Science*, Wm Brown Publisher, Dublin.
3. Das, R.C. et. al. (1998): *The Environmental Divide: Dilemma of Developing Countries*, A.P.H. Publishing Corporation, New Delhi.
4. Ghosh, A. (2000): *Environment and Development*, A.P.H. Publishing Corporation, New Delhi.
5. Goudie, A. (2000): *The nature of Environment*, Blackwell Publisher, Massachusetts.
6. Goudie, A. (2019): *The human impact on the natural environment*, 8th edn, Wiley Blackwell, Oxford.
7. Jaswal, P.S. Jaswal, N. and Jaswal, V. (2016): *Environmental Law*, Allahabad Law Agency, Faridabad.
8. Kormondy, E.J. (1996): *Concept of Ecology*, Prentice Hall of India, New Delhi.
9. Maiti, P.K & Maiti P. (2011): *Biodiversity: Perception, Peril and Preservation*, PHI Learning Private Limited, New Delhi.
10. Park, C. 1997: *Environment*, Routledge, London.
11. Rana, S.V.S (2015): *Essentials of Ecology and Environmental Science*, PHI Learning Private Limited, New Delhi.
12. Raven, P.H., Hassenzahl, D.M., Hager, M.H., Gift, N.Y., and Berg, L.R. (2015): *Environment*, 9th edn, Wiley, Florida.
13. S. Savindra, A (2017): *Environmental Geography*, Pravalika Publications, Allahabad.

Appended
13/04/2022
Pravilika

Principal
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L.M.

V. Singh

M. Sc. (GEOGRAPHY) PART - I, SEMESTER - II
SESSION 2022-23 and 2023-24

CORE PAPERS: Following four are the core papers:

- Paper I. Remote Sensing and Geographic Information System
 Paper II. Human Impact on Environment: Issues & Perspectives
 Paper III. Geography of Regional Planning & Development
 Paper V. Map Work & Practical Geography (Morphometric Analysis & Air Photo Interpretation).

ELECTIVE PAPERS: Students can have option of any one of the following papers:

- Paper IV:
 Option (i) Applied Geomorphology
 Option (ii) Introduction to Sustainable Development: Global Perspective

CORE PAPERS

PAPER - I: REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM

Max. Marks: 100 Time Allowed: 3 Hours
 Internal Assessment: 30 Marks Total Teaching Periods: 65
 Written Paper: 70 Marks
 Pass Marks: 35%

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective sections of the syllabus and each question will carry 10 marks. Section C will consist of 15 short-answer type questions and candidates have to attempt 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
 (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) The internal assessment of 30 marks will constitute of 12 marks for Mid-Semester Test (MST), 12 marks for the assignment and 6 marks for the attendance.
 (ii) Candidates are required to attempt two question each from the sections A and B of the question paper and 10 short-answer type questions out of 15 in section C.
 (iii) Candidates are allowed to use outline stencil maps of the world/continents/countries. They are also allowed to use simple calculators.

Principal

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 PATIALA

V. Singh

Chanderdeep Kaur
 13/04/2022
 Principal

LM-1

Paper - II: HUMAN IMPACT ON ENVIRONMENT: ISSUES & PERSPECTIVES

Max. Marks: 100

Time Allowed: 3 Hours

Internal Assessment: 30 Marks

Total Teaching Periods: 65

Written Paper: 70 Marks

Pass Marks: 35%

INSTRUCTIONS FOR THE PAPER-SETTER

- (i) The question paper will consist of three sections: A, B & C. Sections A and B will have four questions each from the respective sections of the syllabus and each question will carry 10 marks. Section C will consist of 15 short-answer type questions and candidates have to attempt 10 short-answer type questions of 3 marks each covering the entire Syllabus uniformly and will carry 30 marks in all.
- (ii) If any table is necessary for attempting any question of the question paper, it is to be specifically mentioned.

INSTRUCTIONS FOR THE CANDIDATES

- (i) The internal assessment of 30 marks will constitute of 12 marks for Mid-Semester Test (MST), 12 marks for the assignment and 6 marks for the attendance.
- (ii) Candidates are required to attempt two question each from the sections A and B of the question paper and 10 short-answer type questions out of 15 in section C.
- (iii) Candidates are allowed to use outline stencil maps of the world/continents/countries. They are also allowed to use simple calculators.

SECTION-A**Population and Environment**

- (i) Theories of Man/Habitat interaction 8 Periods
- (ii) Population Dynamics and Regulations, Population Characteristics, Population Growth Curves: S-shaped and J-shaped, Density Dependent and Density Independent Factors. 9 Periods

Man's Impact on Water & Atmosphere

- (iii) **Water** 8 Periods
- Deliberate modifications of Rivers.
 - Dams and Environment.
 - Effects of Deforestation
 - Water Pollution.
- (iv) **Atmosphere** 8 Periods
- Sources of Air Pollution
 - Effects of Air Pollution on Human Health, Vegetation & Material.
 - Indoor Air Pollution.
 - Measures & Controls of Air Pollution.

SECTION-B**Issues & controversies**

- (v) **Social Issues** 8 Periods
- Sustainable Development: Concepts of Sustainable

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Balsit Kaur

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Principal

Y. Singh

Lm1

Development, International Cooperation to accelerate Sustainable Development, Strategies to achieve Sustainable Development.

- (vi). **Environmental controversies** 8 Periods
- Taj Trapezium controversy
 - Ganga Action Plan controversy
 - Chilika Lake controversy
- Global Environmental Problems & Strategies**
- (vii). **Problems** 8 Periods
- Global warming
 - Urban Heat Island
 - Acid Rain
 - Ozone Depletion
- (viii) **Environmental Strategies** 8 Periods
- Stockholm Conference, 1972
 - Vienna Conference, 1985
 - Montreal Protocol, 1987
 - Rio Summit, 1992
 - Kyoto Protocol, 1997
 - World Summit on Sustainable Development, Johannesburg, 2002
 - Paris Summit, 2015

BOOKS RECOMMENDED

- Agarwal, A. et. al (2001): *Poles Apart*, Centre for Science and Environment, New Delhi.
- Cunningham, W.P. and Saigo, B.W. (1995): *Environmental Science*, Wm Brown Publisher, Dubique.
- De A.K. (2003): *Environmental Chemistry*, New Age International Publishers, New Delhi.
- Goudie, A. (1993): *The Human Impact*, Oxford Basil Blackwell.
- Joseph, B. (2006): *Environmental Studies*, Tata McGraw Hill Publishing Company, New Delhi.
- Mishra, A. (2004): *Environmental Studies*, Selective and Scientific Books, New Delhi.
- Park, C. (1997): *Environment*, Routledge, London.
- Raven, R.H.et. al.(1993): *Environment*, Harcourt Brace College Publishers, Florida.
- SV, S.B. and Seth, B.L. (2010): *Sewage Canal: How to clean the Yamuna*, Centre for Science and Environment, New Delhi.
- The World Bank (2010): *World Development Report 2010: Development and Climate Change*, The World Bank, Washington.

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13/04/2022
Baljit Kaur

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Govt. Mohindra College
PATIALA

K.M.

V. Singh

Core
M.

THIS PAGE IS CONCERNED ONLY CAMPUS STUDENTS

M.A. (PSYCHOLOGY) PART-I
(SEMESTER I & II)
SESSION 2021-22, 2022-23

Semester-I	Paper Title	Lecture	Tutorial	Practical	Seminar	Total Credit
PSYM1101T Core	Systems and Theories of Psychology	5	---	---	---	5
PSYM1102T Core	Experimental Psychology	5	---	---	---	5
PSYM1103T Elective	Physiological Psychology	5	---	---	---	5
PSYM1104T Core	Statistics in Psychology	5	---	---	---	5
PSYM1105P Core	Practical (Lab. Experiments, Computers)	10	---	5	---	5
Semester-II						
PSYM1201T Core	Cognitive Psychology	5	---	---	---	5
PSYM1202T Core	Social Psychology	5	---	---	---	5
PSYM1203T Elective	Environmental Psychology	5	---	---	---	5
PSYM1204T Core	Experimental Designs in Psychology	5	---	---	---	5
PSYM1205T Core	Practical (Field Studies, Cognitive Testing, Computers)	10	---	5	---	5

OPEN ELECTIVE SUBJECT: - GENERAL PSYCHOLOGY

(QUALIFYING PAPER FOR OTHER STUDENTS)

THE SUBJECTS WHICH THE STUDENTS CAN OPT FROM MOOC WILL BE NOTIFIED BY THE DEPARTMENT SEMESTER WISE TIME TO TIME.

[Signature]

Kamalpreet Kaur

Principal
Govt. Mohindra College
PATIALA

Sarika Sarhu

Rohit Singh

[Signature]

PSYM1203T: ENVIRONMENTAL PSYCHOLOGY (Sem -II)

Elective Paper

Maximum Marks: 75

Total Teaching Periods: 60

Credits: 5

Time Allowed: 3 Hours

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three sections A, B and C. Syllabus of each section (i.e. A&B) will have two subparts. Examiner will set two questions from Section A (each question having internal choice covering both parts of syllabus of section A) and two questions from section B (each question having internal choice covering both parts of syllabus of section B). Each question will carry 12 marks. Section C is compulsory, and shall comprise nine short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the sections A & B of the question paper and the entire section C. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

SECTION - A

- (i) Environmental Psychology: Nature and Scope: Research Methods
Environment and Human Perception: Theoretical Perspectives (Brunswik, Gibson, Barker, Brofenbrenner)
- (ii) Personal Space and Territoriality: Nature and Theories
Crowding and Over Population

SECTION - B

- (i) Environmental Problems with Reference to India: Pollution: Noise, Air and Water (Psychological Causes and Management)
- (ii) Psychology and Climate Change, Natural and Technological Disasters
Role of Psychologist in Environment Management and Promotion of Eco-Friendly Behaviour

REFERENCES

1. Baum, A., & Singer, J.E. (1980). *Advances in Environmental Psychology: Application of Personal Control* (Vol.II). Hillsdale, NJ: Lawrence Erlbaum Associates.
2. Bechtel, R.B. (1997). *Environment and Behaviour: An Introduction*. Thousand Oaks, CA: Sage Publications.
3. Bonnes, M., & Secchiarioli, G. (1995). *Environmental Psychology: A Psycho-Social Introduction*. London, UK: Sage Publications
4. Churchman, A., & Bechtel, R.B. (2002). *Handbook of Environmental Psychology*. New York, NY: John Wiley and Sons
5. Gifford, R. (1987). *Environmental Psychology. Principles and Practices*. Boston, MA: Allyn & Bacon.

Principal
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PATIALA

Dr. Sandhu

Dr. Khan

Kamalpreet Kaur

Page 21 of 26

Dr. Sarda
Rohit Singh

(2022-23)

PAPER-III
ENVIRONMENTAL SOCIOLOGY

Regular/Distance Education M. Marks: 100 Time Allowed: 3hrs
Pass Marks: 25
Theory 70+Internal 30

INSTRUCTIONS FOR THE PAPER-SETTER


The question paper will consist of three sections A, B and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10¼ marks each. Section C will each consist of 14 short-answer type questions, which will cover the entire syllabus uniformly and will carry 28 marks in all. Each short-answer type question will carry two marks. Thirty (30) marks will comprise of internal assessment.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from sections A and B. All questions in Section C are compulsory.

Section-A

- Environmental sociology Nature: main features
 Scope: the main topics and areas of ES
 Emergence: phases of development
- Basic concepts: Environment: a discussion of various concepts and functions of environment Ecology and eco-system: History of concept, reasons for popularity.
- Theoretical perspectives: Human Exemptionalist Paradigm (HEP): main features of HEP, Marxist and Durkhiemian perspectives
 New Ecological Paradigm (NEP):
- New perspectives: Radical ecology: Main features.
 Deep ecology.
 Eco-feminism: Main features.
- Ecological Crisis: **Section -B**
 Nature: Extent and Types.
- Major issues : Population: New Malthusian and ultimate resource debate GMOs, benefits and controversies, Global warming and climate change.


Professor & Head,
Department of Sociology &
Social Anthropology,
Punjab University, Patiala


Incharge
Department of Sociology &
Social Anthropology,
Punjab University, Patiala.

Principal
Govt. Mohindra College
PATIALA


1.3.2 Activities on based on Professional Ethics

Annum	Ethics	
2018-19	17 th July, 2018	Van-Mahotsav
	20 th August, 2018	Kerala Flood Relief Fund
	28 th September, 2018	Surgical Strike Day
	20 th November, 2018	Blood Donation Camp
	5 th December, 2018	Imaandari Ki Dukaan
	6 th April, 2019	Seminar Dedicated to 550 th Birth Celebration of Guru Nanak Dev Ji
2019-2020	2 nd October, 2019	Awareness Rally Against Stubble Burning
	2 nd October, 2019	Cleanliness Drive on Gandhi Jayanti
	3 rd October, 2019	100 th Anniversary of Jalianwala Bagh Massacre
	1 st November, 2019	Seminar on Water Conservation
	9 th November, 2019	Extension Lecture on 550 th Birth Celebration of Guru Nanak Dev Ji
	14 th November, 2019	Buddy Day
	16 th December, 2019	Swachh Bharat Scheme
	30 th June, 2020	Corona Awareness Rally
	June, 2020	No Tobacco Day Celebration
2020-2021	3 rd July, 2020	Corona Vaccination Camp
	13 th July, 2020	Webinar on Police Investigation
	13 th July, 2020	Webinar on Police Investigation
	18 th July, 2020	National Webinar on Bail in Criminal Cases
	1 st November, 2020	Awareness Rally for Corruption Free India
	5 th & 13 th Dec, 2020	Webinars on Life Teachings of Shri Guru Teg Bahadur Ji
	10 th February, 2021	5 Days NCC Training Camp
	8 th March, 2021	International Women's Day
	23 rd March, 2021	Tribute to Saheed – e - Azam, S. Bhagat Singh
	22 April, 2021	Stage Play on Environmental Pollution /Celebrated Earth Day
	10 th June, 2021	World Environment Day (Webinar)
	17 th June, 2021	Webinar on Legal Perspective of COVID-19 Pandemic
	30 th June, 2021	Awareness Rally Against Corona
2021-2022	27 th July & 15 th Sept, 2021	Plantation on Drive to make environment Green & Healthy

	12 th Oct, 2021	Work shop on Mental Health Awareness
	14 th Oct, 2021	Seminar on Cleanliness
	29 th Nov, 2021	Webinar on Teachings of Shri Guru Teg Bahadur Sahib Ji
	17 th Feb, 2022	Cleanliness Drive
	14 th April, 2022.	Celebration of Baba Sahib, Dr. Bhimrao Ambedkar Jayanti
	22 April 2022	Earth Day celebration
2022-23	12 th August, 2022	International Youth Day
	1 st October, 2022	International Day of Non – Violence (Gandhi Jayanti)
	8 th Oct, 2022	Cleanliness Drive
	9 th Nov, 2022	World Science Day
	16 th Nov 2022	World Diabetes day
	25 th Nov 2022	Blood Donation Camp
	26 th Nov 2022	Constitution Day Celebration
	8 th March, 2023	International Women’s Day (Webinar)
	15 th March, 2023	International Women’s Day
	23 rd March, 2023	Celebration of Martyrdom Shaheed Bhagat Singh
	24 th -25 th April, 2023	Earth Day (Rally & Seminar)
	5 June 2023	World Environment Day

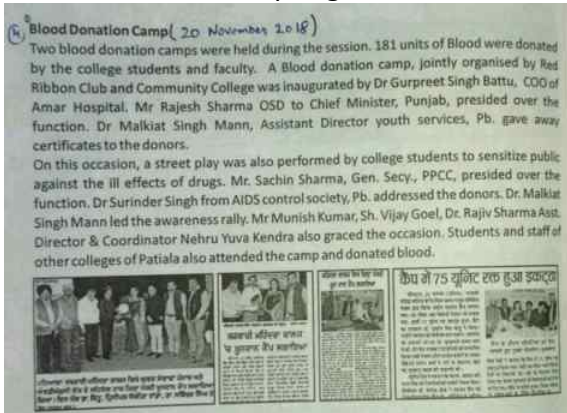
Van Mahotsav Celebration on 17th July, 2018



Kerala Flood Relief Fund collected on 20th August, 2018



Blood Donation Camp organized on 20th November, 2018



Seminar Dedicated to 550th Birth Celebration of Guru Nanak Dev Ji held on 6th April, 2019

Seminar dedicated to 550th Birth Celebrations of Guru Nanak Dev Ji (6 April 2019)
 P.G. Department of Hindi celebrated 550th birth anniversary of Guru Nanak Dev Ji by holding a Seminar. While speaking on the occasion, Harpal Singh Pannu, Chairperson GGS Chair, Bathinda, enlightened the audience about Guru Nanak Dev Ji's Janam sakhian and discussed about their relevance in the present context. In the afternoon session Dr. Rajinder Kumar, Deputy Secy., Ministry of Defense New Delhi, apprised the audience about various schemes of the Govt. for promotion of Hindi language.



2019-20

Awareness Rally against Stubble Burning organized on 2nd October, 2019

Awareness Rally against Stubble Burning (20 Oct, 2019) (9)

Laying emphasis on the need to create awareness among farming community regarding the ill-effects of crop residue and stubble burning, NSS volunteers of the college

took out a Mega Awareness Rally at Village Sular. They also participated in a campaign to spread awareness about the issue held at Government College of Physical Education, Patiala on 2nd October 2019. More than 200 NSS volunteers participated in the rally.

Cleanliness Drive on Gandhi Jayanti organized on 2nd October, 2019

Cleanliness Drive on Gandhi Jayanti (2-10-2019) (10)


College principal Prof Harpal Kaur paid homage to the Mahatma at an event organised in the college Sabha Bhawan on Gandhi Jayanti. NSS volunteers of the college, under the supervision of program officers of NSS,

100th Anniversary of Jallianwala Bagh Massacre celebrated on 3rd October, 2019

(3 Oct, 2019)

100th Anniversary of Jallianwala Bagh Massacre Celebrated

To mark 100th anniversary of Jallianwala Bagh massacre, a special program was organized on 3rd of October, 2019, during which the Principal, faculty and students paid rich tributes to the martyrs of Jallianwala Bagh. Professor Prashant Gaurav from Govt. College, sector 46 Chandigarh was the guest speaker. He highlighted the important facts related to Jallianwala tragedy, which were otherwise not known to people. Principal Harpal Kaur presided over the function.




Extension Lecture on 550th Birth Celebration of Guru Nanak Dev Ji held on 9th November, 2019

(9 Nov, 2019)

Extension Lecture on 550th Birth Celebrations of Guru Nanak Dev Ji

Department of sociology organized an extension lecture on 9th of November 2019, to mark 550th Birth anniversary of Guru Nanak Dev ji. Prof HS Bhatti from Punjabi University Patiala interacted with the students and faculty on 'Social ideology in Guru Nanak's Bani'. He inspired the students to follow the path shown by Guru Nanak Dev Ji and realize their aims and objectives through hard work and honesty. Prof. Jatinder Jain introduced the guest speaker to the audience. Prof. Suresh Kumar conducted the proceedings. Vice Principal Prof. Tripti Sharma thanked speakers.




Buddy Day celebrated on 14th November, 2019

Buddy Day 14/11/2019 (13)

Buddy day was observed at college campus on 14/11.2019. On the spot painting, slogan writing completions were held and a street play by college Red Ribbon Club was staged to make students aware about the ill effects of drugs. Ms Aarti Verma IPS, SSPO presided over the function.

Students stage street play to combat drug menace



Several staff members of Government Women College, Patiala, actively participated in Buddy Program on the whole campus in Patiala on 14/11/2019.

Armed Forces Day Celebrated on 7th December, 2019


(7 DEC, 2019)

Armed Forces Day Celebrations (18)

College NCC Units-Air, Navy and Army, jointly observed Armed forces Flag Day on 7th of

ਮਹਿੰਦਰਾ ਕਾਲਜ 'ਚ ਐਨ.ਸੀ.ਸੀ. ਕੈਡਿਟਾਂ ਨੇ ਸੈਨਾ ਝੰਡਾ ਦਿਵਸ ਮਨਾਇਆ

ਪਟਿਆਲਾ, 7 ਨਵੰਬਰ: ਸੈਨਾ ਝੰਡਾ ਦਿਵਸ ਮਨਾਉਣ ਲਈ ਮਹਿੰਦਰਾ ਕਾਲਜ ਦੇ ਐਨ.ਸੀ.ਸੀ. ਕੈਡਿਟਾਂ ਨੇ ਸੈਨਾ ਝੰਡਾ ਦਿਵਸ ਮਨਾਇਆ। ਇਸ ਮੌਕੇ ਉਨ੍ਹਾਂ ਨੇ ਸੈਨਾ ਝੰਡੇ ਦੀ ਸ਼ਾਹੀ ਪੇਂਟਿੰਗ ਕੀਤੀ ਅਤੇ ਸੈਨਾ ਝੰਡੇ ਦੀ ਸ਼ਾਹੀ ਪੇਂਟਿੰਗ ਕੀਤੀ।



FLAG DAY CELEBRATED

PATIALA: To mark the Armed Forces Flag Day, the army, naval and air wing cadets of the National Cadets Corps (NCC) launched a campaign to raise funds for the welfare of defence veterans and their families at Government Mohindra College on Saturday. Principal Simra Kaur said, "The total collection will be presented to the district defence services welfare officer."

Armed Forces Flag Day observed

PATIALA, DECEMBER: Cadets of the Army, Naval and Air Wings of the National Cadets Corps NCC started a campaign to raise funds for the welfare of defence veterans and their families on the occasion of Armed Forces Flag Day at Government Mohindra College, Patiala. Principal Simra Kaur highlighted the importance of such celebrations by remembering soldiers, their valour, selfless commitment and sacrifices for the security and integrity of the country. The cadets will collect the funds from students and faculty of the college for the betterment of the Armed Forces. The total collection from the college will be given to District Defence Services Welfare Officer Patiala. Lt Jarnail Singh, Pt Lt Naveen Singh, Lt Manoj Kumar and Sub Lt Pradeep Gaba, in-charge of NCC, Naval, Air and Army Wings respectively, were present on the occasion. —TNS

December 2019. NCC cadets of the college collected Rs. 27650/- for the welfare of defense veterans and their families and handed the money over to Col. M S Randhawa, District defense services welfare officer, Patiala.

Swachh Bharat Scheme started on 16th December, 2019

Swachh Bharat Scheme 16/12/2019 (14)

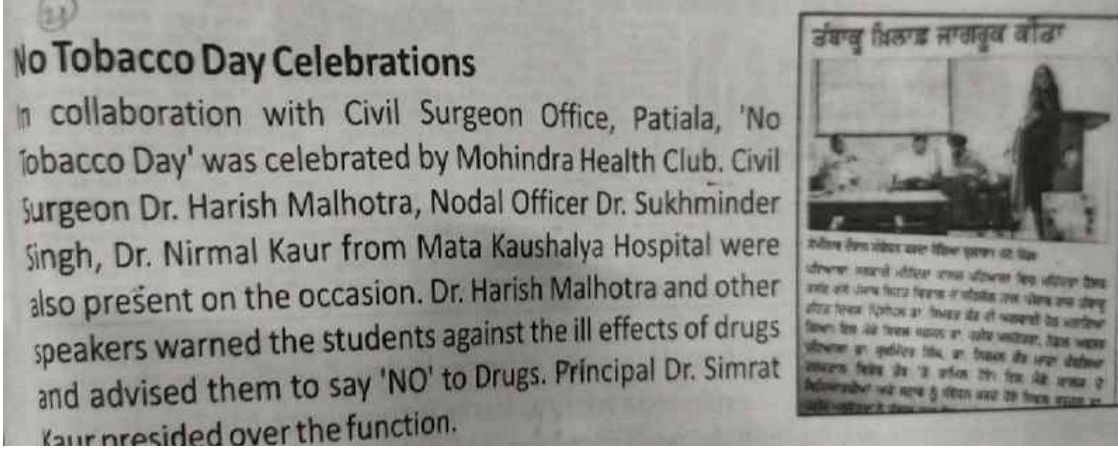
Department of Agriculture, Govt Mohindra college Patiala converted a waste dump into a beautiful green area under Swachh Bharat Scheme. Ms Aarti Verma, IPS SSPO, Patiala inspected the newly developed area and lauded efforts of the staff and and students for their thoughtful participation in Swachh Bharat campaign.



Corona Awareness Rally held on 30th June, 2020



No Tobacco Day Celebration



Corona Vaccination Camp organized on 3rd July, 2020



Awareness Rally for Corruption Free India held on 1st November, 2020



Webinars on Life Teachings of Shri GuruTeg Bahadur Jiorganized on
5th November & 13th December, 2020



Flag Day Celebrated on 23rd January, 2021



Road Safety Seminar organized on 1st February, 2021



5 Days NCC Training Camp organized on 10th February, 2021

5-Day NCC Training Camp organized (10-2-2021)

A Five Day Training Camp for B & C certificate holders of N.C.C. (Naval wing) was organised by Naval Wing of the College. Commanding Officer Capt. (Indian Navy) Saravjit Singh Saini presided over the Camp. Principal Dr. Simrat Kaur welcomed Capt. Saini. Lt. Dr. Jarnail Singh and Lt. Prof. Usha were also present in the camp in which 64 cadets took part.



International Women’s Day program organized on 8th March, 2021

Women's Day celebrated (8-3-2021)

On the occasion of International Women Day, a programme was organized for the benefit of girls residing in the college hostel. Dr. Bindu Goyal from Vardhman Hospital, Patiala inspired the girls to maintain hygiene and practice healthy eating habits. While speaking on the occasion, Inspector Pushpa Devi in charge Punjab Police education wing, emphasized the need to follow Traffic rules and take Road safety measures. Miss Priyanshu, ASI and an alumni of the college, spoke about self-safety measures. Principal Dr. Simrat Kaur thanked the speakers.



Tribute to Saheed – e - Azam, S. Bhagat Singh on 23rd March, 2021



ਸ. ਭਗਤ ਸਿੰਘ ਦੇ ਸ਼ਹੀਦੀ ਦਿਵਸ ਮੌਕੇ ਸ਼ਰਧਾਂਜਲੀ ਭੇਟ ਕਰਦੇ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਸਿਮਰਤ ਕੌਰ, ਡਾ. ਮੰਜੂ ਮਿੱਢਾ ਅਤੇ ਦਰਜਾ ਤਿੰਨ ਅਤੇ ਚਾਰ ਦੇ ਕਰਮਚਾਰੀ

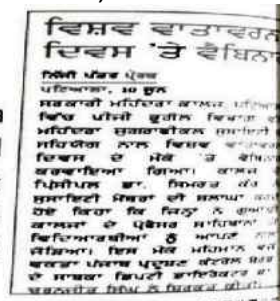
Stage Play on Environmental Pollution /Celebrated Earth Day on 22 April, 2021



WorldEnvironmentDay(Webinar) organized on 10th June, 202

✓World Environment Day celebrated (10-6-2021)

On the occasion of World Environment Day, a Webinar was organised by Mohindra Geographical Society and P.G. Department of Geography. Dr. Charanjit Singh, Deputy Director (Retd.) ,Punjab Pollution Control Board was the guest speaker. Dr. Simrat Kaur appreciated the efforts of the society.



Awareness Rally Against Corona held on 30th June, 2021

Awareness Rally against Corona (30-6-2021)

NSS volunteers and NCC cadets of the college took part in a bicycle rally for creating awareness among masses against Corona-Virus. Students of other colleges of the city were also a part of this rally. Dr. Simrat Kaur, Nodal officer for all the colleges to carry out various programmes under mission Fateh was present on the occasion. Dr. Jarnail Singh, Prof. Usha and Dr. S.S. Rekhi ensured smooth conduct of the rally.



Plantation on Drive to make environment Green & Healthy held on 27th July & 15th September, 2021



Mental Health Awareness talk held on 12th October, 2021



Seminar on Cleanliness organized on 14th October, 2021



Cleanliness Drive held on 17th Feb, 2022

Baba Sahib Dr. Bhimrao Ambedkar Jayanti celebrated on 14th April, 2022



International Day of Non – Violence was observed on 1st October, 2022 on the occasion of Gandhi Jayanti



Cleanliness Drive on 8th October, 2022

ਕਰ, ਆਗਾ ਅਨ ਜਲਾਲਾ, ਕਾਸਸ ਠਾਕੁਰ, ਕਰਦ ਹਾ।

‘ਏਕ ਭਾਰਤ ਸ਼੍ਰੇਣੀ ਭਾਰਤ’ ਤੇ ਸਵੱਛ ਭਾਰਤ ਅਭਿਆਨ ਦੇ ਤਹਿਤ ਸਫ਼ਾਈ ਕੀਤੀ



ਪਟਿਆਲਾ, 9 ਅਕਤੂਬਰ (ਚ. ਨ. ਸ.) ਪਟਿਆਲਾ ਸਰਕਾਰੀ ਮਹਿੰਦਰਾ ਕਾਲਜ ਪਟਿਆਲਾ ਵਿਖੇ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਸਿਮਰਤ ਕੌਰ ਜੀ ਦੀ ਅਗਵਾਈ ਹੇਠ ਪਟਿਆਲਾ ਪਲਾਗਰਜ ਅਤੇ ਐਨ ਐਸ ਐਸ ਵਿਭਾਗ ਦੁਆਰਾ ਏਕ ਭਾਰਤ ਸ਼੍ਰੇਣੀ ਭਾਰਤ ਅਤੇ ਸਵੱਛ ਭਾਰਤ ਅਭਿਆਨ ਦੇ ਤਹਿਤ ਕਾਲਜ ਦੇ ਆਲੇ ਦੁਆਲੇ ਦੇ ਇਲਾਕੇ ਵਿੱਚ ਸਫ਼ਾਈ ਕੀਤੀ ਗਈ। ਵਲੰਟੀਅਰਜ਼ ਨੂੰ ਪਲਾਸਟਿਕ ਕਚਰੇ ਅਤੇ ਹੋਰ ਦੂਜੇ ਪ੍ਰਕਾਰ ਦੇ ਕਚਰੇ ਦੇ ਨੁਕਸਾਨਾਂ ਬਾਰੇ ਜਾਣੂ ਕਰਾਇਆ ਗਿਆ। ਉਹਨਾਂ ਦੁਆਰਾ ਵਾਤਾਵਰਨ ਨੂੰ ਬਚਾਉਣ ਲਈ ਵੱਖ ਵੱਖ ਉਪਾਅ ਦੱਸੇ ਗਏ। ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣਾ ਆਲਾ ਦੁਆਲਾ ਸਾਫ਼ ਰੱਖਣ ਲਈ ਪ੍ਰੇਰਿਤ ਕੀਤਾ ਗਿਆ। ਇਸ ਵਿੱਚ ਕਾਲਜ ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਅਤੇ ਐਨ ਐਸ ਐਸ ਦੇ ਕਰੀਬ ਸੱਤਰ ਵਲੰਟੀਅਰਜ਼ ਨੇ ਵੱਧ ਚੜ੍ਹ ਕੇ ਹਿੱਸਾ ਲਿਆ। ਇਸ ਪ੍ਰੋਗਰਾਮ ਵਿੱਚ ਐਨਐਸਐਸ ਪ੍ਰੋਗਰਾਮ ਅਫ਼ਸਰ ਪ੍ਰੋ. ਜਤਿੰਦਰ ਜੈਨ ਅਤੇ ਪ੍ਰੋ. ਸਵਰਨ ਕੌਰ ਵਲੰਟੀਅਰਜ਼ ਨਾਲ ਸਫ਼ਾਈ ਮੁਹਿੰਮ ਤੋਂ ਮੌਜੂਦ ਹੋਏ। ਉਹਨਾਂ ਨੇ ਇਸ ਮੁਹਿੰਮ ਵਿੱਚ ਪਹੁੰਚੇ ਵਲੰਟੀਅਰਜ਼ ਦੇ ਉਤਸ਼ਾਹ ਦੀ ਸ਼ਲਾਘਾ ਕੀਤੀ ਅਤੇ ਸਾਰਿਆਂ ਦਾ ਪੰਨਵਾਦ ਕੀਤਾ।

ਵਾਰ ਅੱਖ ਮਾ ਕੇ ਮੁਹਿ ਸਾ ਸਿ ਕੋ ਅ ਮੁਕ ਤਾ

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(ਨ ਐ ਸਕ ਇ ਸੁ) ਸੁ



World Science Day 9th November, 2022

Department of Botany & IQAC Govt. Mohindra College, Patiala

celebrated

WORLD SCIENCE DAY (Nov. 10)

Nov 9-12, 2022

Under the kind leadership of Principal Dr. Simrat Kaur.

