

PROFESSIONAL ETHICS

A. BACHELOR OF COMMERCE :-

- Business Ethics
- Principles of Management
- Corporate Governance

B. B.A. ---PHILOSOPHY :-

- Western Ethics
- Issues in Applied Ethics

C. B.A. ---GEOGRAPHY :-

- Social and Cultural Geography

D. B.A. ---SANSKRIT :-

- Ethical and Moral Issues in Sanskrit

BUSINESS ETHICS [BCOMHTAXDSE604]: Marks: 50

Unit 1: Introduction: Definition, Morality, need of ethics in business, features, principles, relevance of values, attitudes, beliefs, relationship between ethics and business, ethics and values, ethics and Globalization, ethics and Sustainability.

Unit 2: Framing Business Ethics: Ethical decision making- Utilitarian approach, Individualism Approach, Moral Rights, Justice Approach, Process of Moral Development, Corporate Social Responsibility- Legal, Ethical, Economic and Philanthropic Responsibility, Relationship between Law Ethics.

Unit 3: Ethics in marketing: Perfect competition, Imperfect competition and Ethics, Pricing, Explicit agreements, Manipulation of Supply, Tying Arrangement, Price Discrimination, Tacit Agreements, Bribery Types of Ethical Issue, Coercion, Deception, Theft, Fair price, Ethics in Advertising.

Unit 4: Ethics in Work Place: Discrimination, Utility, Rights and Justice, Hiring, Employee Promotion, Exploitation of employees, Discipline. Wages, Job description.

Unit 5: Ethics and Stakeholders: Co- existence of profitability and Morality, Social Responsibilities of Business towards Shareholders-Employees-Customers-Dealers-Vendors-Government, Social Audit, Environment Protection, Natural, Physical, Social.

Unit 6: Ethical Conflict: Fundamental Principles of ethical behaviour, Situations Promoting Unethical behaviour, Creating an ethical accounting, Threats of ethical behaviour, Ethics and Ethical dilemmas.

Suggested Readings:

1. Richard T Degorge, *Business Ethics*, Pearson Education
2. Manual G Velasquez, *Business Ethics: Concepts and Cases*, PHI Learning
3. A.C.Fernando, *Business Ethics: An Indian Perspective*, Pearson
4. Mukti Mishra and Ronald D Francis, *Business Ethics*, Tata McGraw Hill Education
5. Raj, Rituparna, *A Study in Business Ethics*, Himalaya publishing house.
6. Badi & Badi, *Business Ethics*, Vrinda Publications
7. Mruthyunjaya, H.C., *Business Ethics and Value Systems*, PHI.
8. Manna, S. and Chakrabarti, S., *Values and Ethics in Business and Profession*, PHI.

B.COM

B.Com Program in Accounting: CBCS

New Syllabus: Kazi Nazrul University

Generic Elective (Group-B): Choose any one from below: Marks 50
(Available for Program in Finance and Program in Taxation)

GE-1: Principles of Management [BCOMPACCGE501]: Marks: 50

Unit 1: Introduction: Management- Definition, Features and Importance; managerial functions, Management -Science or Art or both; Management as profession; Universality of management; Social responsibility of a manager; Scientific Management ;Contribution of Henry Fayol, management principles and their criticism; Human relation approach- Hawthorne Experiment.

Unit 2: Planning: Concept, nature, importance, steps, limitations, planning premises; **Management by Objective (MBO):** meaning, features, objectives; steps in MBO process, benefits and weaknesses.

Unit 3: Organizing and Staffing :Concept, nature, importance, process; organization structure, line and staff authority; Span of management; Factors determining an effective span; concept of authority, responsibility and accountability; delegation of authority – concepts and principles; centralization & decentralization of authority; Staffing: Concept, feature, importance of staffing, Sources of recruitment; Selection procedure; Training and development of managerial and non-managerial personnel.

Unit 4:Directing and Motivation: Directing: Concept , features and Importance of Directing; Motivation: Definition, features, importance; **motivation and morale, Theories of motivation -** Maslow's Theory of need hierarchy, McGregor's Theory X and Theory Y, Herzberg's Two Factors Theory;

Unit 5: Leadership and Controlling: Leadership: Concept, features and importance of leadership, attributes of a leader; Leadership styles; Controlling: Definition, nature and importance of managerial control; requirements for effective control system; important control techniques, steps in control process.

Suggested Readings:

1. Wehrich and Koontz, *Essentials of Management*, Tata McGraw Hill.
2. Gupta, C.B., *Management Theory & Practice*, Sultan Chand.
3. Guha, Shankar Prasad, *Adhunik Karbar Byabosthaponar*, New Dey Publishers
4. Biswas, S. K., *Byabosthaponar Nitipaddhati o pryog*, (Vol. I & II), Paschim Bango Rajya Pustak Parsad.
5. Gangopadhyay and Mukhopadhyay: *Karbar Byabasthapanar Ruprekha*, Dey Book Concern.

CORPORATE GOVERNANCE [BCOMHTAXDSE503]: Marks: 50

Unit 1: Introduction: Evolution - Meaning of Corporate Governance – Corporate Governance systems – obligations to society, investors, employees, customers and managerial obligation, Models on Corporate Governance- Anglo- American Model , Japanese Model, German Model.

Unit 2: Emergence of Corporate Governance: CG committees and guidelines – working group on Company's Act 1996 – Naresh Chandra committee report – Narayanamurthy Committee report – Irani Committee report.

Unit 3: Corporate Governance – Codes and Practices: Study of Codes of Corporate Governance - ✓
Case Studies on Corporate Governance - Indian and overseas perspective- Best Practices of Corporate ✓
Governance- value Creation through Corporate Governance, Clause 49.

Unit 4: Corporate Governance and Shareholders: Rights and privileges of shareholders - shareholder protection- Grievance redressal process -investor problems and protection.

Unit 5: Board of Directors: Governance issues relating to the Board- role of directors- independent directors- Director's remuneration as per Companies Act, 2013.

Unit 6: Audit Committee: Independent Audit Committee- qualifications- composition- meeting-powers - role of the audit committee as per Companies Act, 2013

Suggested Readings:

1. Fernando. A.C., *Corporate Governance - Principles, Policies and Practices*, Pearson Education, New Delhi, 2006.
2. PrakashPandya & R. Balakrishnan, *Compliance Guide to Corporate Governance*, Taxmann's Allied Services Ltd, 2010.
3. Joshi Vasudha, *Corporate Governance, The Indian Scenario*, Foundation Books, 2004.
4. Solomon Hill, *Corporate Governance and Accountability*, Lexis Nexis, UK, 2003.

B.Com

B.Com Program in Accounting: CBCS

New Syllabus: Kazi Nazrul University

DSE-1: Auditing [BCOMPACCDSE502]: Marks: 50

Unit-1: Introduction: Auditing: Introduction, Meaning, Objectives, Basic Principles and Techniques, Advantages and Limitations, Classification of Audit.

Unit-2: Audit Planning and Audit Procedures- Concepts, Relevant documents, Internal Control-Internal Check and Internal Audit: Audit Procedure-Vouching and verification Income and Expenditures.

Unit-3: Audit Report and Certificates: Audit Report-Definition, Features, Scope, Value of Auditors Report, Difference between Audit Report and Certificate, Types of Audit Report, Contents of Audit Report as per Companies Act. 2013, True and Fair View, Cash Flow Statement Reporting.

Unit-4: Special Areas of Audit: Special Features of Cost Audit, Management Audit, Tax Audit, Social Audit, Environmental Audit, Energy Audit, Recent Trends in Auditing: Basic Consideration of Audit in EDP Environment: Computer Aided Audit Techniques and Tools; Concepts of auditing standards and assurance.

Unit-5: Investigation: Meaning of Investigation, Features, Purpose, Difference between Investigation and Audit, Types of Investigation, Principles and Duties of Investigators, Investigation to Direct Fraud, Misappropriation and Default Cases.

Suggested Readings

1. Ravinder Kumar and Virender Sharma, *Auditing Principles and Practice*, PHILearning
2. ArunaJha, *Auditing*, TaxmannPublication,
3. A.K.Singh, and Gupta Lovleen, *Auditing Theory and Practice*, GalgotiaPublishing
4. B.K.Maity-*Contemporary Auditing-Theory and Its Application*, Oriental BookCompany
5. Gangopadhyay&Sengupta-*Auditing*, Dey BooksConcern
6. J.L.Kundu, *Auditing*,ABS PublishingIhouse
7. D.Banerjee, *Auditing*-Book Syndicate Pvt. Ltd.
8. R.N.Sengupta-*Practical Guide to Auditing*-New Central Book Agency Pvt.Ltd.
9. Basu, *Auditing and Assurance*,Pearson

Philosophy

BAHPHIC302

Western Ethics

Minimum Classes: 84

Suggested Topics:

- Nature and Scope of Ethics; Nature of Morality
- Moral and Non-moral actions
- Object of Moral Judgment : Motive and Intention
- Postulates of Morality
- The Development of Morality
- Normative Theories :

Consequentialism(Teleology): Ethical Egoism; Utilitarianism: Act and Rule Utilitarianism; Act and Rule Deontology; Kant's Moral Theory; Divine Command Theory; Eudaemonism

- Theories of Punishment: Retributive, Deterrent And Reformative Theory
- Issues in Applied Ethics :

Suicide; Mercy Killing and Euthanasia: Nature and Types; Famine and Affluence; Gender Equality; Basic Concerns of Environmental Ethics: Anthropocentrism, Non-anthropocentrism and Eco-feminism

Recommended Texts:

- W. Frankena: *Ethics*, 2nd ed, Prentice Hall of India Private Limited, Delhi, 1973
- Y. V. Satyanarayan : *Ethics : Theory and Practice*

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02 May 2019

References:

- W. Lillie : *An Introduction to Ethics*, University Paperbacks, London, 1955
- J. S. Mackenzie : *A Manual of Ethics*, Oxford University Press, London, 1973
- J. L. Mackie : *Ethics: Inventing Right and Wrong*, Penguin Books, New York, 1977
- P. Singer : *Practical Ethics*, Cambridge University Press, 2011
- Somnath Chakraborty : *Nitividyār Tattvakathā*, Progressive Publishers, Kolkata, 2002
- Somnath Chakraborty : *Kathāy Karma Ethics*, Progressive Publishers, Kolkata, 2006
- Mrinal Kanti Bhadra : *Nitividyā*, The University of Burdwan , Burdwan, 1991
- Dikshit Gupta : *Nitiśāstra*, Paschimanga Raja Pustak Parsad, Kolkata, 2nd ed., 2007

Philosophy

(C) B.A. PROGRAM IN PHILOSOPHY: 3rd SEM/ BAPPHIC301/ ETHICS

1. Issues in Applied Ethics : Basic Concerns of Environmental Ethics

Geography

B.A. Honours in Geography Semester 6

Social and Cultural Geography

Papers: DSE 4(D)

Marks: 40+10= 50

Unit-I	10
1.1 Definition, scope and Content of Social Geography, Evolution of Social Geography: Approaches-Behavioral, Radical and Welfare	
1.2 Social Structure, Social Processes, Social Patterns, Social wellbeing, Social Space	
Unit-II	10
2.1 Social Elements : Class, Caste and Ethnicity with special reference to India	
2.2 Social Groups: Tribal, Traditional and Modern Society	
Unit-III	10
3.1 Concept of Culture : Definition, scope and content of Cultural Geography: Cultural Regions, Cultural Areas and Cultural Landscape	
3.2 Cultural Hearth: Cultural Change: Innovation, Diffusion, Acculturation and Cultural Modification	
Unit-IV	10
4.1 Ethnic Groups , Ethnicity and Ethnocentrism: Areal Expression of Ethnicity: Ethnic clusters, Shifting Ethnic Concentration: Ethnic Regionalism	
4.2 Ethnic, Linguistic and Religious groups within India	
Unit-V	10
Internal Assessment	
Assignment on Social Problems in Local Area	

Head Coordinator
Department of Geography
Kazi Nazrul University
Asansol, West Bengal
Samiun Datta
26/05/2017

Sanskrit

	Subjunctive, Vedic Infinitive, The vedic accent & Pada-pātha.					
BAHSNSSE401	Interdisciplinary (Any discipline other than Sanskrit)	GEC-4	5-1-0	6	50	
BAHSNSSE401	Ethical and Moral Issues in Sanskrit	SEC-2	4-0-0	4		
	Unit-I: Pañcatantra- (Muni-Mūṣikakathā, Dharmabuddhi-Pāpabuddhikathā)					Any one
	Unit-II: Prastāvana-Hitopadeśa (Verses:1-47)					
BAHSNSSE402	Political Thought in Sanskrit Literature					
	Manusamhitā: Chapter VII (whole)					
Total				28	250	

GENDER SENSITISATION

BACHELOR OF ARTS

- A. **POLITICAL SCIENCE** :-
- Gender and politics in India
 - Feminism :- Theory and Practice
 - Democratic Awareness with Legal Literacy
- B. **ENGLISH** :-
- Women's Writing
 - Contemporary India :- Women and Empowerment
- C. **PHILOSOPHY** :-
- Issues in Applied Ethics
- D. **GEOGRAPHY** :-
- Population Geography
- E. **SANSKRIT** :-
- Basic Sanskrit (Unit -2- Feminine)

- Unit 1: Conceptualizing Gender in Politics: Political Participation, policy making and development
- Unit 2: Security concern for Women and Third Gender/Transgender.
- Unit 3: Effective participation of Women in Decision making structures: Issue of Reservation Impact
- Unit 4: Gender Identity: Women in riot and War.

Suggested Readings:

1. Geetha, V. *Gender*. (Calcutta: Stree)
2. Geetha, V. *Patriarchy*. (Calcutta: Stree)
3. Menon, Nivedita, *Gender and Politics in India*, Oxford India Paperbacks
4. Saigol, Rubina, *Feminism in India*, (Women Unlimited Publication)
5. John, Mary E., *Women Studies in India: A reader* (ed.), (Penguin India Publication)

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29/05/18.

Co-ordinator
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KAZI NAZRUL UNIVERSITY
ASANSOL

GE-3 – Feminism: Theory and Practice: 50 Marks

- Unit 1: Feminist theorizing of the sex/gender distinction – Biologism versus social constructivism - Waves of Feminism.
- Unit 2: Understanding Patriarchy and Feminism – Liberal, Socialist, Marxist, Radical feminism, and Postmodern - Schools/Traditions
- Unit 3: Feminism in India: Social Reforms Movements – Sati, widow marriage and child marriage; Feminist issues and women's participation in anti-colonial and national liberation Movements.
- Unit 4: Family in contemporary India – patrilineal and matrilineal practices; Gender Relations in the Family; entitlements and bargaining; Property Rights.

Suggested Readings:

1. Geetha, V. *Gender*. (Calcutta: Stree)
2. Geetha, V. *Patriarchy*. (Calcutta: Stree)
3. Chaudhuri, Maiyatee, 'Gender in the Making of the Indian Nation State', in Rege, Sharmila. (ed.) *The Sociology of Gender: The Challenge of Feminist Sociological Knowledge* (New Delhi: Sage)
4. Desai, Neera & Thakkar, Usha, *Women in Indian Society* (New Delhi: National Book Trust)
5. Ray, Suranjita. *Understanding Patriarchy*.
Available at: http://www.du.ac.in/fileadmin/DU/Academics/course_material/hrge_06.pdf

SEC-1 – Democratic Awareness with Legal Literacy: 50 Marks

- Unit 1: Constitution – fundamental rights, fundamental duties, other constitutional rights
- Unit 2: Laws relating to dowry, sexual harassment and violence against women – laws relating to consumer rights and cyber crimes
- Unit 3: Anti-terrorist laws: Implication for security and human rights
- Unit 4: System of courts/ tribunals and their jurisdiction in India – criminal and civil courts, writ jurisdiction, specialized courts such as juvenile courts, Mahila courts and tribunals
- Unit 5: Alternate dispute such as lok adalats, non-formal mechanisms

Suggested Readings:

1. Basu, D. D. *Introduction to the Constitution of India* (Nagpur: Lexis Nexis)
2. Kashyap, S. *Our Constitution*. (New Delhi: National Book Trust)
3. Gender Study Group, (1996) *Sexual Harassment in Delhi University*, A Report, Delhi: University of Delhi.
4. D. Srivastva, (2007) 'Sexual Harassment and Violence against Women in India: Constitutional and Legal Perspectives', in C. Kumar and K. Chockalingam (eds) *Human Rights, Justice, and Constitutional Empowerment*, Delhi: Oxford University Press.
5. J. Kothari, (2005) 'Criminal Law on Domestic Violence', *Economic and Political Weekly*, Vol. 40(46), pp. 4843-4849.

29/05/12

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KOLKATA

English

SEMESTER VI

Core Course Details : BAHENGDSE 604

Core Course XIV

Women's Writing

Unit I

Literary and Social Background

Evolution of Feminism: The Three Waves

The Confessional Mode in Women's writing

Gender and Class/Caste/Race

Politics of Sexuality

(One question of 10 marks to be attempted out of two : $10 \times 1 = 10$)

Unit II (Drama and Poetry)

Manjula Padmanabhan: *The Bride is not for Burning*

(One question of 10 marks to be attempted out of two : $10 \times 1 = 10$)

Emily Dickinson: *I cannot live with You*

Phillis Wheatley: *An Hymn to the Morning*

Sylvia Plath: *Lady Lazarus*

Eunice De Souza: *Bequest*

(One short answer type question of 05 marks to be attempted out of two : $05 \times 1 = 05$)

English

SEMESTER I
GENERIC ELECTIVE

Course Title : Contemporary India: Women and Empowerment

Unit I (Concepts)

Social construction of Gender, Masculinity, Femininity, Feminism, Patriarchy, Sex and Gender, LGBTQ

(Two short answer type questions of 05 marks each to be attempted out of four:
05x2 = 10)

English

Unit II (Issues)

Women and Nationalist Movement in India

Women and Partition

Women and Law

Women and Violence

(Two short answer type questions of 05 marks each to be attempted out of four:
05x2 = 10)

Unit III (Texts)

Kamala Das : An Introduction

Mamta Kalia : Tribute to Papa

Mahasweta Devi : Breast Giver

(One question of 10 marks to be attempted out of two : 10x1 = 10
Five short answer type questions of 02 marks each to be attempted out of eight:
02x5 = 10)

Internal Assessment: 10

Five short answer type questions of 02 marks each to be attempted out of eight:
02 x 5 = 10

Philosophy

DEPARTMENT OF PHILOSOPHY

(A) B.A.(HONS) IN PHILOSOPHY : 3rd Sem./ BAHPHIC302/ Western Ethics

Issues in Applied Ethics :

1. Gender equality :

Famine and Affluence; Gender Equality Gender

2. Environment: Basic Concerns of Environmental Ethics:
Anthropocentrism, Non-anthropocentrism and Eco-feminism

(B) B.A. (HONS) IN PHILOSOPHY : 5th Sem./ BAHPHIC501/ Socio-Political Philosophy

1. Human values : Basic issues of Human rights

(C) B.A. PROGRAM IN PHILOSOPHY: 3rd SEM/ BAPPHIC301/ ETHICS

1. Issues in Applied Ethics : Basic Concerns of Environmental Ethics

Geography

B.A. Honours in Geography

Semester 5

Population Geography

Papers: DSC 2(A)

Marks: 40+10=50

Unit-I

10

- 1.1 Scope and Content of Population Geography. Basic sources of data: The Census, National Population Register, UID
- 1.2 Measures of population distribution and concentration: Factors affecting population distribution and density

Unit-II

10

- 2.1 **Population change**-Measures of Fertility and mortality, Determinants of fertility and mortality
- 2.2 Migration-Types, determinants and consequences

Unit-III

10

- 3.1 **Population composition based on age and sex: Determinants of sex composition and age composition**
- 3.2 Literacy differentials, Determinants of literacy

Unit-IV

10

- 4.1 India: Distribution of population, population growth and their causes
- 4.2 **Sex ratio and literacy**

Unit-V

10

Internal Assessment

Assignment on Population Issues

Coordinator
Department of Geography
Bachchanal University
Bachchanal, West Bengal

Sambir Dutta
26/05/2017

Sanskrit

Generic Elective (For the Students other than Sanskrit)

Course Code	Course Title	Course Details	L.T.P.	Credit	Marks
BAHSNSGE101	Basic Sanskrit	GEC-1	5-1-0	6	50
	Unit-I: Devnāgarī Script				
	Unit-II: Declensions (a-Kārānta, i-Kārānta, u-Kārānta, ṛ-Kārānta, Masculine, Feminine & Neuter).				
	Unit-III: Conjugations (Loṭ, Lot, Lañ, Vidhiliñ, Lṛṭ & Liṭ of Bhū, Gam, Path, Dṛś, Sev, Labh, Vṛt, Pac, Kṛt, Dā, Śru & Jñā)				
	Unit-IV: Composition: Voice, Sandhi, kṛt, Taddhita & Translation.				
		GEC-2	5-1-0	6	50

HUMAN VALUES

BACHELOR OF ARTS

A. POLITICAL SCIENCE :-

- Human Rights :- Theory and Practice
- Democratic Awareness with Legal Literacy
- Public Policy in India

B. PHILOSOPHY (Hons.) :-

- Human values : Basic issues in Human Rights

C. BACHELOR OF COMMERCE :-

- Human Resource Management

D. HISTORY :-

- Renaissance and Reformation

E. SANSKRIT :-

- Self Management in Gita

Political Science

B.A Honours in Political Science: CBCS

Syllabus: Kazi Nazrul University

DSE – Human Rights: Theory and Practice

Unit 1: Meaning and a brief history of human rights (UDHR)

Unit 2: Human rights – Terrorism and Counter-terrorism

Unit 3: Indian Constitution and protection of human rights

Unit 4: National Human Rights Commission – Composition and functions

Unit 5: Human Rights Movements in India – Evolution, nature, challenges and prospects

Suggested Readings:

1. Baxi, Upendra, *The Future of Human Rights* (New Delhi: Oxford)
2. Priyam, Menon and Banerjee, *Human Rights, Gender and the Environment* (New Delhi: Pearson)
3. Donnely, Jack, *Universal Human Rights in Theory and Practice* (Cornell University Press)
4. Clapham, Andrew, *Human Rights: A very short introduction* (Oxford)
5. Narayan, S, *Human Rights Dynamics in India* (Kalpaz Publications)

Unit 1: Constitution – fundamental rights, fundamental duties, other constitutional rights

Unit 2: Laws relating to dowry, sexual harassment and violence against women – laws relating to consumer rights and cyber crimes

Unit 3: Anti-terrorist laws, Implication for security and human rights

Unit 4: System of courts/tribunals and their jurisdiction in India – criminal and civil courts, writ jurisdiction, specialized courts such as juvenile courts, Mahila courts and tribunals

Unit 5: Alternate dispute such as lok adalats, non-formal mechanisms

Suggested Readings:

1. Basu, D. D. *Introduction to the Constitution of India* (Nagpur: Lexis Nexis)
2. Kashyap, S. *Our Constitution*, (New Delhi: National Book Trust)
3. Gender Study Group, (1996) *Sexual Harassment in Delhi University*, A Report, Delhi: University of Delhi.
4. D. Srivastva, (2007) 'Sexual Harassment and Violence against Women in India: Constitutional and Legal Perspectives', in C. Kumar and K. Chockalingam (eds) *Human Rights, Justice, and Constitutional Empowerment*, Delhi: Oxford University Press.
5. J. Kothari, (2005) 'Criminal Law on Domestic Violence', *Economic and Political Weekly*, Vol. 40(46), pp. 4843-4849.

Political Science

DSE – Public Policy in India

Unit 1: Public Policy: Meaning, elements and actors of public policy making and implementation in India.

Unit 2: Public Policy in India since independence: An overview

Unit 3: Constraints of Public Policy: Economic, Political and Socio-Cultural

Unit 4: Public Policy in India: a) Public Health; b) Education and c) Environment.

Suggested Readings:

1. Dye, Thomas, *Understanding Public Policy*, Pearson Education, Singapore.
2. Rathod, P.B. *Framework of Public Policy : The Discipline and its Dimensions*, Commonwealth Publishers, New Delhi
3. R. K. Saprui, *Public Policy*, Sterling Publishers, New Delhi
4. Galtung, Johan, *There Are Alternatives: Four Roads to Peace and Security*, Nottingham (Spokesman)
5. De, Prabir Kumar, *Public Policy and Systems* (Delhi: Pearson)

Philosophy

(B) B.A. (HONS) IN PHILOSOPHY: 5th Sem./ BAHPHIC501/ Socio-Political Philosophy

1. Human values : Basic issues of Human rights

(C) B.A. PROGRAM IN PHILOSOPHY: 3rd SEM/ BAPPHIC301/ ETHICS

1. Issues in Applied Ethics : Basic Concerns of Environmental Ethics

B.Com. (Hons.): Semester-III
Course Name: HUMAN RESOURCE MANAGEMENT
Course Code: BCOMHC301
Course Type-Theory (5-1-0)

Duration: 2 Hrs.

Marks: (10+40)

Credits: 6

Course Objective

The objective of this course is to enable learners to understand the importance of human resources and their effective management in organizations

Course Learning Outcomes

After completing the course, the student shall be able to:

CO1: understand basic nature and importance of human resource management. CO2: analyze the current theory and practice of recruitment and selection

CO3: realize the importance of performance management system in enhancing employee performance.

CO4: recommend actions based on results of the compensation analysis and design compensation schemes that are cost effective, that increase productivity of the workforce and comply with the legal framework.

CO5: understand role of modern HRM in meeting challenges of a changing business environment

Course Contents**Unit I: Introduction**

Meaning, importance and scope of HRM. Evolution of HRM, functions, status and competencies of HR manager; Human Resource Planning - quantitative and qualitative dimensions; Job analysis—job description and job specification; HR Policies.

Unit II: Recruitment, Selection & Development

Recruitment, selection, placement, induction, and socialization – an overview; Developing Human Resources; Training – need, types, and evaluation. Role specific and competency based training.

Unit III: Performance Appraisal

Performance appraisal: nature and objectives, methods of performance appraisal, potential appraisal & employee counseling; Job changes—transfers and promotions.

Unit IV: Compensation

Job evaluation; Compensation—concept and policies, base and supplementary compensation, performance linked compensation—individual, group and organisation level.

Unit V: Employee Maintenance and Emerging Issues in HRM

Employee health and safety, employee welfare, social security (excluding legal provisions), Grievance handling and redressal, Industrial disputes and settlement machinery, Emerging issues and challenges of HRM— employee empowerment, downsizing, work- life balance.

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Suggested Readings:

1. Decenzo, D. A., & Robbins, S. P. (2011). *Fundamentals of Human Resource Management*. India: Wiley
2. Dessler, G. (2017). *Human Resource Management*. Pearson
3. Muller-Carmen, M., Croucher, R., & Leigh, S. (2016). *Human Resource Management: A Case Study Approach*. CIPD: Viva Books
4. Patanayak, B. (2018). *Human Resource Management*. Delhi: Prentice Hall of India
5. Rao, V. *Human Resource Management: Text and Cases*. Excel
6. Rastogi, S. *Management of Human Resources*. Sun India

Latest editions of the books may be used.

Teaching Learning Process

Teaching learning process may be interactive classroom sessions with the help of Power Point presentations, reflective assessment and case study discussions to ensure active participation and continuous learning.

Assessment Methods

Internal Examination (10 Marks): Internal Assessment may be conducted by using any one or in combination of Class participation, Presentation, Project Writing and Presentation, Assignment and Presentation, Surprise Test as suitable

External Examination (40 Marks): End Semester Written Examination, Duration: 2 Hours

History

Semester V

	COURSE TYPE: Discipline Specific Elective (DSE - 1) – any one is to be chosen
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Renaissance and Reformation

- 1) **Political and social background** –political system in early modern Europe –collapse of feudalism –and the changing economic life in the 15th and 16th century –commerce and navigation –monarchies and city states –features of the early modern state –the printing revolution.
- 2) Italian city states, the merchants, the church and the social context of the renaissance – origins of humanism –rediscovery of the classes –**the impact of humanism on art, education and political thought** –Machiavelli and the idea of a modern state.
- 3) The background to the reformation –intellectual and popular anti-clericalism –Martin Luther and the reformation –reformation in the national context: France, Switzerland and England –the distinctiveness of the English reformation –Radical reformation –the Anabaptists, etc. - counter reformation.
- 4) Renaissance science and the emergence of a secular culture

Suggested Readings:

William Roscoe Estep, *Renaissance and Reformation*

Bard Thompson, *Humanists and Reformers: A History of the Renaissance and Reformation*

Jo Eldridge Carmey, *Renaissance and Reformation, 1500-1620: A Biographical Dictionary*

David L. Morse and William M. Thompson eds., *History of Political Ideas, Vol V (Renaissance and Reformation)*

James A. Patrick ed., *Renaissance and Reformation, Vol. 1*

Sanskrit

	Nyāyatīrtha, Kṣitīścandra Chatterjee, Ramā Choudhuri, Pañcānana Tarkaratna, Ramaranjan Mukherjee.					
BAHSNSC303	Self Management in the Gītā	CC-7	5-1-0	6	50	
	Srīmadbhagavatgītā: Chapter –III (Whole)					
BAHSNSSE301	Interdisciplinary (Any discipline other than Sanskrit)	GEC-3	5-1-0	6	50	
BAHSNSSE301	Spoken Sanskrit & Translation	Any One	SEC-1	4-0-0	4	50
BAHSNSSE302	Sanskrit Grammar					

	Strīpratyaya, Atmanepada & Parasmaipadavidhānam, Namadhātu, San , Yañ, Use of Comparative, Superlative & Matvarthīya Taddhita Pratayas & The Concept of Following Saṃjñās: Pada, Vibhakti, Sūtra, Vārtika, Bhāṣya, Vibhāṣā, Upasarga, Gati, Nipāta, Guṇa, Vṛiddhi, Samprasāraṇam, Avyaya, Niṣṭhā, Anuvṛtti, Ti, Ghi, Ghu, Nadī & Upadhā.					
				Total	28	250

ENVIRONMENTAL CONSCIOUSNESS

A. COMPULSORY :-

- Environmental Studies

B. B. Sc. :-

- Geography
 1. Physical Geography
 2. Geomorphology
- Economics
 1. Indian Economics : - Post Independence
- Botany
 1. Plant Breeding
 2. Crop Improvement and Breeding
 3. Natural Resource Management
 4. Economic Botany, Pharmacognosy and Biotechnology

C. B.Com. :-

1. Indian Economy

D. B.A. :-

- Geography
 1. Fundamental of Practical Geography
 2. Disaster Management
 3. Geotectonics and Geomorphology
 4. Rural Development
 5. Hydrology
 6. Topographical Sheet and Weather Map Interpretation
 7. Agricultural Geography
 8. Resource Geography
 9. Geotectonics and Geomorphology (Prog.)
 10. Geography and Oceanography
 11. Climatology and Soil Geography
 12. Climatology
 13. Soil and Biogeography
 14. Weather Data Recording and Soil Testing
 15. Economic and Social Geography
 16. Political Geography
 17. Land use and land use Planning
 18. Environmental Geography
- History
 1. Select Themes in the Colonial Impact on Indian Economy and Society
- Political Science
 1. Environmental Politics

KAZI NAZRUL UNIVERSITY



CBCS SYLLABUS

Ability-Enhancement Compulsory Course (AECC - Core) -I

Compulsory

Environmental Studies: Marks 50
(Credit: 4)

FOR ALL STREAMS OF UNDER GRADUATE HONOURS AND PROGRAM COURSES
(Arts, Science and Commerce)
[As per UGC DO No F.13-1/2000(EA/ENV/COS-1) dated 20.11.14]

Unit 1: **Multidisciplinary Nature of Environmental Studies**

- Definition, Nature, Scope and Importance
- Types and Components of environment
- Environmental education
- Global environmental crisis

Unit 2: **Natural Resources: Renewable and Non-renewable Resources**

- Forest resources: Uses, types and importance, deforestation and its effects
- Water resources: Distribution of water on Earth; Use and Over
- Mineral Resources: Use and Exploitation, Environmental Effects of extracting and using mineral resources, Case Studies
- Food resources: World food production & distribution, Food Crisis - its causes
- Energy resources: Renewable and Nonrenewable energy sources; Use of alternative energy Sources
- Land resources: Land as a resource; Land degradation, Landslides, Soil erosion
- Role of an individual in the conservation of natural resources
- Equitable use of resources for sustainable life styles

Unit 3: **Ecology and Ecosystems**

- Concept of ecology, autecology and synecology – Structure and Function of an Ecosystem
- Concept of an ecosystem; Different types of ecosystem; Forest, Grassland, Desert and Aquatic (Ponds, Streams, Lakes, Rivers, Oceans and Estuaries) Biomes
- Energy flow in the ecosystem, energy flow models
- Food chains, food webs and ecological pyramids
- Biogeochemical cycles: Nitrogen & Phosphorus

Compulsory EVS

Unit 4: Biodiversity and its conservation

- Introduction – Definition: Genetics, Species and Eco-system Diversity
- Threats to biodiversity; Value of biodiversity; Hot-Spots of biodiversity
- Conservation of biodiversity: *In situ* and *Ex situ* conservation of biodiversity
- Endangered and Endemic Species of India

Unit 5: Environmental Pollution

- Air pollution: Brief Concepts
- Water pollution: Brief Concepts
- Soil pollution: Brief Concepts
- Noise Pollution: Brief Concepts
- Fireworks Pollution: Brief Concepts
- Thermal Pollution: Brief Concepts
- Nuclear Pollution:

Unit 6: Social Issues and the Environment

- Water conservation, rain water harvesting
- Climate change, global warming, acid rain, ozone layer depletion
- From unsustainable to sustainable development
- Urban problem related to energy
- Environmental Ethics: Issues and Possible Solutions
- Constitutional Provisions for protecting environment- Articles 48(A), 51 A (g)
- The Environment (Protection) Act, 1986.
- Air(Prevention and Control of Pollution) Act
- Wildlife Protection Act

Unit 7: Human Population and the Environment

- Definition, characteristics; Human population growth
- Population explosion – Brief Concept
- Environment and human health: Concept of health and disease(HIV/AIDS)
- Human Rights, Value Education, Role of Information Technology in Environment

Unit 8: Field Work (Project Work)

Suggested Readings:

1. Carsen, R. 2002. Silent Spring, Houghton Mifflin, Harcourt.
2. Rao, M.N & Datta A.K.1987.WasteWater Treatment, Oxford and IBH Publishing Co. Pvt. Ltd.
3. Raven, P.H Hassenzahl, D.M. & Berg L.R, 2012 Environment.8th Edition. John Wiley & Sons.
4. Singh, J.S.Singh, S.P. and Gupta, S.R. 2014.Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi.
5. Agarwal, K.C.2001 Environmental Biology, Nidi Publication .Ltd. Bikaner.

B.Sc. Geography

B.Sc. Program in Geography

Semester-I

Course Name: Physical Geography

Course Code: BSCPGEOC101

Course Type: Core (Theoretical)	Course Details: CC-I		L-T-P: 5 - 1 - 0		
Credit: 6	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		..	10	..	40

Course Learning Outcomes:

(After the completion of course, the students will have ability to):

1. Understand the components of the earth system – atmosphere, lithosphere and hydrosphere;
2. Appreciate and understand various features of the spheres with local, regional and global examples;
3. Associate and bring out the relationships of the features of one sphere with other spheres.

Course Content:

1. Definition, Scope and Concept of Physical Geography
2. **Lithosphere** – Internal Structure of Earth based on Seismic Evidence, Classification and Basic Characteristics of Rocks, Folds and Faults, Plate Tectonics and its associated features.
3. **Fluvial Cycle of Erosion** – Davis and Penck.
4. **Atmosphere** – Thermal Structure and Layering of Atmosphere, Global Heat Balance, Global Circulation Pattern Origin and Characteristics of Monsoon.
5. **Origin and Characteristics Tropical Cyclones**, Climatic Classification (Koppen).
6. **Hydrosphere** – Hydrological Cycle, Ocean Bottom Relief Features, Tides and Ocean Currents.

Continuous Assessment: MCQ based Midterm test

References/ Suggested Readings

- Conserva, H. T., (2004): Illustrated Dictionary of Physical Geography, Author House, New York.
- Gabler, R. E., Petersen, J. F. and Trapasso, L. M., (2007): Essentials of Physical Geography (8th Edition), Thompson, Brooks/Cole, New York..
- Garrett, N., (2000): Advanced Geography, Oxford University Press, Oxford.
- Goudie, A., (1984): The Nature of the Environment: An Advanced Physical Geography, Basil Blackwell Publishers, Oxford.
- Hamblin, W. K., (1995): Earth's Dynamic System, Prentice Hall, N.J.
- Husain, M., (2002): Fundamentals of Physical Geography, Rawat Publications, Jaipur.

B.Sc. Geography

B.Sc. Honours in Geography

Semester- I

Course Name: Geomorphology

Course Code: BSCHGEOC101

Course Type: Core (Theoretical)	Course Details: CC-1		L-T-P: 5 - 1 - 0		
Credit: 6	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		..	10	..	40

Course Learning Outcomes:

(After the completion of course, the students will have ability to):

1. Understand the functioning of Landform systems in real time and analyze how the natural and anthropogenic operating factors affects the development of landforms
2. Distinguish between the mechanisms that control these processes
3. Assess the roles of structure, stage and time in shaping the landforms, interpret geological maps and apply the knowledge in geographical research.

Course Content:

1. Geomorphology: Definition, Nature and Scope; Fundamental concepts and System Approach in Geomorphology; Earth: Internal Structure, Earth Movements: Isostasy (Airy and Pratt)
2. Plate Tectonics: Processes and Associated Landforms. Concept of Neo-tectonics, Earthquakes and Volcanoes.
3. Concept of Exogenic and Endogenic Forces, Origin and types of Folds and Faults: Landform Development on Folded and Faulted Structure
4. Geomorphic Processes: Weathering, Mass Wasting, Cyclic (Davis and Penck) and Non-cyclic Concept (Hack) of Landform Development.
5. Landforms associated with (Erosional and Depositional): Fluvial, Karst, Aeolian, Glacial, and Coastal.
6. Applied Geomorphology and Environment with reference to Ground Water, Resource Exploration and Engineering Projects.

Continuous Assessment: Assignment on Structure and landforms

References/ Suggested Readings

- Billings, M.P. 1971. Structural Geology, Pearson.

Economics

Semester- I

Course Name: Indian Economics: Post Independence

Course Code: BSCHECOGE102

Course Type: GE (Theory)	Course Details: GEC-1		L-T-P:5-1-0		
Credit: 6	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
			10		40

P.T.O.

Economics

Course Learning Outcomes:

(After the completion of the course the students will be)

4. *Informed about the situation of the Indian economy in the post- independence regime.*
5. *Acquainted with different policies, relating to agriculture, industry etc. undertaken after independence to build up a self-sufficient economy.*
6. *Updated regarding growth experience of the Indian economy amidst huge population pressure and the ways to move the economy in the growth trajectory.*

Content/ Syllabus: Unit wise course content distribution

Unit I: Structural Changes in Indian Economy

- Trends in national income, per capita income - Changes in occupational pattern
- Sectoral distribution of national income during the post-independence period

Unit 2. Agricultural Sector

- Land reforms
- Farm size and Productivity
- Green revolution-causes and impacts.
- Agricultural marketing, concepts of food security and public distribution system in India.

Unit -3 Industrial Sector

- Industrial policy resolution (1948, 1956) - licensing policy; New industrial policy, 1991; the EXIT policy; present problems of SSIs and large-scale industries in India and its remedies.

Unit -4. Population

- Trend of Population Growth in India in recent years-Problems associated with population growth-National population policy - Demographic dividend

2. References/ Suggested Readings

1. Indian Economy: Datt&Sundharam, S. Chand company Pvt Ltd (New Delhi)
2. Indian Economy: Misra and Puri, Himalaya Publishing House (New Delhi)
3. Indian Economy: Performance and Policies, Uma Kapila,Academic Foundation (New Delhi)
4. BharaterArthaniti, Swapan Kumar Roy and JoydebSarkhel,Book Syndicate Private Ltd(Kolkata)
5. SamakalinBharatiyaArthabidya: DebeshMukerjee, Central (Kolkata)

B

Botany

DSE - 1 (Program)
Plant Breeding
(Credits: Theory-4, Practical-2)

THEORY
Lectures: 60

Unit 1: Plant Breeding (10 lectures)
Introduction, aims and objectives of plant breeding; Plant introduction, acclimatization and domestication.

Unit 2: Methods of crop improvement (20 lectures)
Selection methods: For self pollinated, cross pollinated and vegetatively propagated plants; Hybridization: For self, cross and vegetatively propagated plants - Procedure, advantages and limitations.

Unit 3: Quantitative inheritance (10 lectures)
Concept, mechanism, examples of inheritance of Kernel colour in wheat, Skin colour in human beings. Monogenic vs polygenic Inheritance.

Unit 4: Inbreeding depression and heterosis (10 lectures)
History, genetic basis of inbreeding depression and heterosis;
Applications.

Botany

Unit 5: Crop improvement and breeding (10 lectures)

Role of mutations; Polyploidy; Distant hybridization and role of biotechnology in crop improvement.

Practical -

1. Calculation of central tendency - mean, mode and median of a data obtained from natural population.
2. Normal distribution curve using a continuous variation (Data May be provided).
3. Chi square test of goodness of fit for Mendelian ratios.
4. Demonstration of Breeder's kit.

(marks - 40+10 = 50)
Plant Physiology, Metabolism and Ecology

Botany

Plant-water relations, Importance of water, water potential and its components; Transpiration and its significance; Factors affecting transpiration; Root pressure and guttation.
Mineral nutrition- Essential elements, macro and micronutrients; Criteria of essentiality of elements, Role of essential elements;
Translocation in phloem - Composition of phloem sap, General idea about Phloem loading and unloading.
Photosynthesis - Light Reaction (Photosynthetic Electron transport System and mechanism of ATP synthesis); Outline of C₃, C₄ and CAM pathways of carbon fixation; Photorespiration.
Respiration - Introduction, Glycolysis, Oxidative decarboxylation and TCA cycle; Oxidative phosphorylation.
Enzymes - Definition and properties; Mechanism of enzyme catalysis and enzyme inhibition.
Nitrogen metabolism - Biological nitrogen fixation - symbiotic and asymbiotic examples, mechanism of symbiotic N₂ fixation.
Plant growth regulators - Discovery and physiological roles of auxins, gibberellins, cytokinins, ABA, ethylene.

Ecology -

Definition - Autecology and Synecology; Concept of energy flow; Food chain and food web.
Ecological pyramids - pyramids of biomass, energy and numbers.
Ecological Succession - Hydrosere
Ecological adaptations and adaptive characteristics of hydrophytes, xerophytes and halophytes
Phytogeography - Phytogeographical classification of India (D. Chatterjee, 1962); Concept of endemism.
Pollution - Air and water - Causes, effects and Remedies.

Core Course - IV (Practicals) (Marks 20+30 = 50)

Determination of isotonic concentration of cell sap by plasmolytic method.

To find the essentiality of CO₂ in photosynthesis using *Hydrilla*/ any other aquatic plant. To

study the effect of two environmental factors (light and humidity) on transpiration using *Colocasia* leaf.

Comparison of the rate of respiration in any two parts of a plant.

Study of the anatomical adaptations of xerophytes (*Casuarina* stem) and hydrophytes (*Anhydra* stem)

Internal assessment - 30

Skill Enhancement Course

(For Botany Hons/Programme)

SEC - 1: BIOFERTILIZERS

Unit-1: General account about the microbes used as biofertilizer.

Rhizobium - isolation, identification, mass production, Commercialization. (6 lectures)

Unit -2: General idea about **Plant growth promoting** rhizobacteria (PGPR) and Phosphate

- 1) S.K. Jain, Manual of Ethnobotany, Scientific Publishers, Jodhpur, 1976.
- 2) S.K. Jain (ed.) Glimpses of Indian Ethnobotany, Oxford and I B H, New Delhi - 1981
- 3) Lone et al., Palaeoethnobotany
- 4) S.K. Jain (ed.) 1989. Methods and approaches in ethnobotany. Society of ethnobotanists, -Lucknow, India.
- 5) S.K. Jain, 1990. Contributions of Indian ethnobotany. Scientific publishers, Jodhpur.
- 6) Colton C.M. 1997. Ethnobotany - Principles and applications. John Wiley and sons - -Chichester
- 7) Rama Ro, N and A.N. Henry (1996). The Ethnobotany of Eastern Ghats in Andhra Pradesh, India. Botanical Survey of India. Howrah. -
- 8) Rajiv K. Sinha - Ethnobotany The Renaissance of Traditional Herbal Medicine - INA -SHREE Publishers, Jaipur-1996
- 9) Faulks, P.J. 1958. An introduction to Ethnobotany, Moredale pub. Ltd. 84

SEC - 2: PLANT DIVERSITY AND HUMAN WELFARE

Unit -1: Plant diversity and its scope- Genetic diversity, Species diversity, Plant diversity at the **ecosystem level**, Agrobiodiversity and cultivated plant taxa. Values and uses of **Biodiversity: Ethical and aesthetic values**. (8 lectures)

Unit -2: Loss of Biodiversity: Loss of genetic diversity, Loss of species diversity, Loss of ecosystem diversity, Loss of agrobiodiversity, Projected scenario for biodiversity loss. (6 lectures)

Unit -3: Management of Plant Biodiversity: Organizations associated with biodiversity management-Methodology for execution-IUCN, UNEP, UNESCO, WWF, NBPGR; Biodiversity legislation and conservation. (6 lectures)

Unit-4: Conservation of Biodiversity: Conservation of genetic diversity, species diversity and ecosystem diversity, *In situ* and *ex situ* conservation, Social approaches to conservation, **Biodiversity** awareness programmes, Sustainable development. (10 lectures)

Suggested Readings 1. Krishnamurthy, K.V. (2004). An Advanced Text Book of Biodiversity - Principles and Practices. Oxford and IBH Publications Co. Pvt. Ltd. New Delhi

OR

SEC - 2: MUSHROOM CULTURE TECHNOLOGY

Unit 1: Introduction and history. Types of edible mushrooms available in India - *Volvariella volvacea*, *Pleurotus citrinopileatus*, *Agaricus bisporus*; Nutritional and medicinal value of edible mushrooms; Poisonous mushrooms.. (5 Lectures)

Unit 2: Methods of cultivation of edible mushrooms. Diseases of Mushroom fungi and methods of remedy (12 Lectures).

Unit 3: Storage and nutrition : Short-term storage (Refrigeration - upto 24 hours) Long term Storage (canning, pickles, papads), drying, storage in salt solutions. (8 Lectures)

Publishing Co. Ltd., No. 88, Mysore Road, Bangalore - 560018.

3. Tewari, Pankaj Kapoor, S.C., (1988). Mushroom cultivation, Mittal Publications, Delhi.

4. Nita Bahl (1984-1988) Hand book of Mushrooms, II Edition, Vol. I & Vol. II.

SEC 3 - FLORICULTURE

Unit 1: Introduction: History of gardening; Importance and scope of floriculture and landscape gardening.

Unit 2: Nursery Management and Routine Garden Operations: Sexual and vegetative methods of propagation; Soil sterilization; Seed sowing; Pricking; Planting and transplanting; Role of plant growth regulators.

Unit 3: Ornamental Plants: Flowering annuals; Herbaceous perennials; Shade and ornamental trees; Ornamental bulbous and foliage plants; Cacti and succulents; Palms and Cycads; Cultivation of plants in pots; Indoor gardening.

Unit 4: Commercial Floriculture: Factors affecting flower production; Production and packaging of cut flowers.

SEC 4 - NURSERY AND GARDENING

Unit 1: Nursery definition, objectives and scope and building up of infrastructure for nursery, planning and seasonal activities - Planting - direct seeding and transplants. (4 Lectures)

Unit 2: Seed dormancy; Methods of breaking dormancy; Seed storage: Seed banks, factors affecting seed viability.

Unit 3: Vegetative propagation: air-layering, cutting; treatment of cutting, rooting medium and planting of cuttings - Hardening of plants - green house, mist chamber.

Unit 4: Gardening: definition, objectives and scope - different types of gardening - landscape and home gardening - parks and its components

Unit 5: Sowing/raising of seeds and seedlings - Transplanting of seedlings - Study of cultivation of different vegetables: brinjal, lady's finger, onion; Storage and marketing procedures.

Natural Resource Management
(Credits: Theory-4, Practical-2)

Botany

THEORY
Lectures: 60

Unit 1: Natural resources Lectures) Definition and types.	(2)
Unit 2: Sustainable utilization Lectures) Concept, approaches (economic, ecological and socio-cultural).	(8)
Unit 3: Land lectures) Utilization (agricultural, pastoral, horticultural, silvicultural); Soil degradation and management.	(8)
Unit 4: Water lectures) Fresh water (rivers, lakes, groundwater, aquifers, watershed); Marine; Estuarine; Wetlands; Threats and management strategies.	(8)
Unit 5: Biological Resources lectures) Biodiversity-definition and types; Significance; Threats; Management strategies; Bio-prospecting, IPR (Intellectual Property Rights); CBD (Conservation of Biological Diversity); National Biodiversity Action Plan).	(12)
Unit 6: Forests lectures) Definition, Cover and its significance (with special reference to India); Major and minor forest products; Depletion; Management.	(6)
Unit 7: Energy lectures)	(6)

Botany

DSE - 2

Economic Botany, Pharmacognosy and Biotechnology

(Credits: Theory-4, Practicals-2)

THEORY

Lectures: 60

Unit 1: Origin and economic importance of Cultivated Plants (14 Lectures)

Concept of centres of origin, their importance with reference to Vavilov's work; Origin, morphology, Economic Importance of - Paddy, Potato, Tea, Mustard, Cotton, Coconut, Sugarcane and Sal.

Unit 2: Pharmacognosy

(14 Lecture)

Definitions - Pharmacognosy, Pharmacopoea, Pharmacology, Folk Medicine, Materia Medica; Drug - Drug adulteration, Drug evaluation. Active Principle and Uses of : *Rauwolfia serpentine*, *Ocimum sanctum*, *Adhatoda vasica* and *Aloe vera*.

Unit 3: Plant tissue culture

(14 Lectures)

Micropropagation; haploid production through androgenesis and gynogenesis; brief account of embryo & endosperm culture with their applications; Protoplast isolation and fusion. Applications of Tissue culture.

Unit 4: Recombinant DNA Techniques

(18 Lectures)

Enzymes and Tools: Restriction Endonuclease, Ligase, DNA Polymerase I; Vectors - Plasmid and Phage vector; Basic cloning strategies; Isolation of genes by - Library screening and PCR. Application of Genetic Engineering (Insulin, Flavr Savr tomatoes, Bt cotton and Golden rice).

INDIAN ECONOMY [BCOMHACCDSE602]: Marks: 50

Unit:1.Basic Features of the Indian Economy: Features of Indian economy as a developing economy, composition of National Income, occupational Structure.

Unit:2.Social Issues in Indian Economy: Problem of Poverty, Poverty alleviation measures; Problem of Unemployment and the policy measures.

Unit:3.Agriculture: Characteristics of Indian agriculture, Problems of Indian agriculture Impact of Land reforms and Green Revolution on Indian economy, PDS, Food Security.

Unit:4.Industry: Public Sector – Role, Performance and reforms; Public Sector Vs Private sector; Small scale sector and MSME, Role of foreign capital.

Unit:5.Foreign Trade and International Organisation: Foreign trade and BoP; Globalization – WTO, GATT, IMF, IBRD.

Unit:6.Five Year Planning: Objectives, achievements and failures. Primary overview of NITI Ayog.

Suggested Readings:

1. Economic Development and Social Opportunity, Desai, Jean and Amartyesen, OUP, Chapter - 2
2. Datt, R. and Sundharam, K. P. M., *Indian Economy*, S. Chand
3. Misra, S. K. and Puri, V.K., *Indian Economy*, Himalaya
4. Indian Economy Since Independence: KapilaUma(ed.), relevant articles.
5. India: Planning and Industrialization: Bhagabati. J & Desai, P., OUP, Chapter – 2

Core Paper 2: Fundamentals of Practical Geography: Marks: 50

UNIT-I

Scale: Linear, Comparative, Diagonal, Vernier

UNIT-II

Identification of **Rocks and Minerals**: Quartz, Talc, Feldspar, Magnetite, Chalcopyrite, Galena, calcite, Gypsum, Bauxite, Granite, Basalt, Dolomite, Pegmatite, Sandstone, Shale, Limestone, Gneiss, Schist, Phyllite, Laterite

UNIT-III

Geological Maps: Analysis of Geological Maps (Horizontal, Uniclinal, Folded, Faulted Structure Structures along with Intrusions and Unconformities

UNIT-IV

Internal Assignment: Elementary **Geological Survey of Local Area** (Signed Report to be Submitted during the Practical Examination)

UNIT-V

Laboratory Note Book and Viva –Voce

6+4=10 Marks

Suggested Readings:

- Elfic. M.H. Fryer. J.G. Brinkners. R.C. and Wolf. P.R. 1994, *Elementary Surveying* 8th edition. Harper Collins Publishers, London.
- Hussain. S.K. AND Nagaraj. M.S. 1992, *Text Book of Surveying*. S. Chand & Co. Ltd. New Delhi.
- Kanetkar. R.P. and Kulkarni. S.V. 1988, *Surveying and Levelling, Part-I* Pune Vaidyarthi Griha Prakashani, Pune.
- Kellaway. G.P. 1979, *Map Projections*. 1st Indian edition. B.I. Publication. Delhi.
- Kochher. C.I. 1993, *A Text Book of Surveying* S.K. Katariya & Sons. Delhi
- Mishra R.P. Ramesh. A 2000, *Fundamentals of Cartography*. Concept Publishing Company, New Delhi.
- Monkhouse. F.J. and Wilkinson. H.R. 1971, *Maps and Diagrams: Their Compilation and Construction* B.I Publications Private Limited. New Delhi.
- Roy P. 1988, *An Analytical Study of Map Projections*. Volume I, Kolkata.
- Sarkar. A. 1997, *Practical Geography: A Systematic Approach*. Orient Blackswan Ltd. Hyderabad.
- Singh. R.L. and Singh. R.P.B. 1991, *Elements of Practical Geography*. Kalyani Pub. New Delhi.
- Steers. J.A. 1965, *An Introduction to Map Projections*. 14th edition. University of London Press. London.
- Venkatramaiah. C. 1996, *A Textbook of Surveying* Universities Press/Orient Longman Ltd. Hyderabad.

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Sonirani Dutta
26/05/2017

Generic Elective Paper:1: Disaster Management: 50 Marks

Unit 1: Disasters – Definition and Concepts: Hazards, Disasters – Risk and Vulnerability

Unit 2: Disasters in India: (a) Flood: Causes, impact and distribution (b) Drought: Causes, impact and distribution.

Unit 3: Disasters in India : (a) Earthquake and Tsunami: Causes, impact and distribution (b) Cyclone: Causes, impact and distribution

Unit 4: Man-made Disasters: with special reference to Bhopal Gas Tragedy
Significance.

Unit 5: Response and Mitigation to Disasters: Dos and Donots –during and post-disaster (Flood, Drought :
And Earthquake)

B.A Honours in Geography

Semester I

Core Paper 1: Geotectonics and **Geomorphology**: Marks: 50

UNIT-I

1.1 **Rocks**: Origin, Classification and Characteristics

1.2 **Folds and Faults**: Classification

UNIT-II

2.1 **Earthquake**: Definition, Seismic waves, Causes, Classification, Effects of Earthquake on Man and Environment

2.2 **Global tectonics**: Concept of Plate Tectonics, Tectonics of Plate Margins and landform Development, Cordilleran Orogen with particular reference to Andes, Continental collision orogen with particular reference to Himalaya

UNIT-III

3.1 **Theory of Landscape Evolution**: Davis and Penck (Steady state Equilibrium), Hack (Dynamic Equilibrium)

3.2 **Evolution of landform and Drainage Development** in Uniclinal and Domal Structure

UNIT-IV

4.1 **Evolution of Landform on Folded and Faulted Structure**

4.2 **Landform on Sedimentary Rocks**

Suggested Readings:

- Ahmad, E. 1990, *Geomorphology*, Kalyani Pub, New Delhi
- Bland, W. and Rolls, D. 1998, *Weathering*, Hodder & Stoughton.
- Bloom, A.L. 1998, *Geomorphology: A Systematic Analysis of Late Cenozoic Landforms*, 3rd Edition, Prentice Hall India Ltd, New Delhi.
- Burbank, D.G. and Anderson, R.S. 2001, *Tectonic Geomorphology: A Frontier in Earth Science*, Blackwell Science Inc. London.
- Carter, R.W.G. 1988, *Coastal Environments. An Introduction to the Physical Ecological and Cultural Systems of Coastlines*, Academic Press, London.
- Chorley, R.J. and Kates, R.W. (Editors) 1969, *Water Earth and Man*, Methen, London
- Cox, A. and Hart, R.B. 1986, *Plate Tectonics. How it Works*, Blackwell Scientific Publications, Oxford.
- Dayal, P. 1990, *A Textbook of Geomorphology*, Shukla Book Depot, Patna.
- Duff, P.M.D. (Editor) 1994, *Holmes' Principles of Physical Geology*, English Language Book Society/Champan & Hall, London.
- Faniran, A. and Jaje, L.K. 1983, *Humid Tropical Geomorphology*, Longman Ltd Hyderabad.

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Seminu Lutta

26/05/2017

Geography

B.A. Honours in Geography Semester 4 Rural Development

Papers: GE4

Marks: 40+10=50

Unit-1

10

- 1.1 Concepts and Approaches to Development; Need for **Rural development in** Developing Countries and India
- 1.2 Paradigms of Rural development and its changing Perspectives

Unit-2

10

- 2.1 Problems, prospects and strategies for Rural Development with special Emphasis in India
- 2.2 Scope for Rural Development in India- **Agriculture**, Agro Industry, cottage Industry, Forestry with special emphasis on Social Forestry

Unit-3

10

- 3.1 Nature and Characteristics of Rural Development in Pre and Post-Independent Period; Strategies, success and Failure of Important Rural Development Programmes – IRDP, IAY, SGSY.
- 3.2 Tribal Development: Need, approaches and Programmes in India

Unit-4

10

- 4.1 **Green Revolution** and its **impact on Rural development and Food Security** in India
- 4.2 Rural Development in India of 21st Century through Employment (MGNREGS), Health (NHRM) Education (SSA)

Unit-V

10

- Internal Assessment
- Participation in Rural Development (Tree planting, Road repairing, Sewage cleaning) Discussion of the people and preparation of Report

Head Coordinator
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Samiran Dutta

26/05/2017

Geography

B.A. Honours in Geography Semester 6 Hydrology

Papers: DSE 4(A)

Marks: 40+10= 50

Unit-I	10
1.1 Definition, Scope and Content of Hydrology and its relevance.	
1.2 Components and distribution of Hydrosphere	
2 Unit-II	10
2.1 Global Hydrological cycle and its implications	
2.2 Controlling factors of run-off and run-off cycle	
Unit-III	10
3.1 Aspects of Infiltration, Evaporation and Transpiration	
3.2 Groundwater: Sources and types and Significance, transport, storage, Concept of Aquifers	
Unit-IV	10
4.1 Factors influencing groundwater movement and storage	
4.2 Karst process and Karst cycle	
Unit-V	10
Internal assessment	
Assignment on Groundwater Problem	

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Geography

B.A. Honours in Geography Semester 6

Topographical Sheet and Weather Map Interpretation

Paper: HCP 14

Marks: 40+10=50

Unit – I

20

Interpretation of topographical maps (Plateau region, 1: 50000)

- i. Principles of topographical sheet numbering (Defense Series and Open Series Maps) as followed by Survey of India
- ii. Construction of profiles: Super imposed, projected and composite. Long and cross profiles along and across river
- iii. Morphometric analysis in 5*5 km area. Relative Relief, **Drainage** Density, **Drainage Frequency**, Average Slope (Wentworth's Method).
- iv. Analysis of landforms and vegetation characteristics
- v. Interpretation of settlement, transport and communication
- vi. Relation between physical and cultural elements

Unit – II

10

Interpretation of daily **Weather Report** prepared by Indian Meteorological Department

Unit – III

10

Internal assessment

Project work: Preparation of maps and charts from toposheet and their interpretations (At least two from the given: i. Geomorphic map, ii. Composite morphological map, iii. Index showing toposheet network, iv. Hierarchy of settlement)

Unit – IV

10

Laboratory Note Book and Viva-voce.

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Geography

B.A. Honours in Geography

Semester 5

Agricultural Geography

Papers: DSC 2(D)

Marks: 40+10=50

Unit-I **10**

- 1.1 Origin of **Agriculture**. The Agricultural Systems of the World
1.2 Physical and **Human Influences on** Distribution of Agricultural Systems

Unit-II **10**

- 2.1 Characteristics and Agricultural Regions of Shifting Cultivation and Plantation Farming. Impact of Colonialism on them
2.2 Characteristics and Agricultural Regions of Intensive Subsistence Agriculture (Paddy) and Commercial Farming (Wheat)

Unit-III **10**

- 3.1 Models of Agricultural Location by Von Thunen and Hoover
3.2 Methods of Agricultural Regionalization. Agro-climatic Regions of India

Unit-IV **10**

- 4.1 Agricultural Development during Plan Periods in India
4.2 **Green Revolution: Problems and Prospects**

Unit-V **10**

Internal Assessment

Assignment on Horticulture of local area or Agricultural Problems

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Geography

B. A. Honours in Geography

Semester 5

Resource Geography

Papers: DSC 2(B)

Marks: 40+10=50

Unit-I

10

- 1.1 Concept and classification of resources. Different sources of biotic resources, their production and consumption
- 1.2 Different sources of **energy resources**, their relative importance, production and consumption.

Unit-II

10

- 2.1 Mineral Resources, **Global distribution of Iron Ore, Copper, Bauxite**
- 2.2 **Human resource**

Unit-III

10

- 3.1 Problems of resource depletion and Resource crisis
- 3.2 Sustainable development: Definition, Population-Resource Relationship
Basic indications of **human development**, Literacy and education, Health and nutrition.

Unit-IV

10

- 4.1 Resource development in India-Forest, Agriculture
- 4.2 Resource Development in West Bengal-Coal, Fish

Unit-V

10

Internal Assessment

Assignment on Resource Crisis

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**B.A Program in Geography
Semester I**

Core Paper I: Geotectonics and Geomorphology: Marks: 50

UNIT-I

1.1 Origin of the Earth: Theories Propounded by Kant and Laplace; Geological Time Scale with Major Physical and Biological Events

1.2 Internal Structure of the Earth; Origin, Classification and Characteristics of Rocks

UNIT-II

2.1 Continental Drift Theory for Crustal arrangement and Shape-Evidences and Mechanisms; Theory of Plate tectonics- Evidences and Mechanisms

2.2 Classification of Folds and Faults and resulted landforms

UNIT-III

3.1 Mass Wasting- Processes and Landforms; Weathering- Processes and Landforms

3.2 Theory of Landscape Evolution: Davis and Penck and Hack

UNIT-IV

4.1 Glacial Processes and Landforms with Special reference to Morains; Fluvial Processes and Landforms with Special reference to Deltas

4.2 Aeolian Processes and Landforms with Special reference to Dunes; Karst Processes and Landforms with Special reference to Sinkholes

Suggested Readings:

- Ahmad, E. 1990. *Geomorphology*. Kalyani Pub. New Delhi
- Bland, W. and Rolls, D. 1998. *Weathering*. Hodder & Stoughton.
- Bloom, A L. 1998. *Geomorphology: A Systematic Analysis of Late Cenozoic Landforms* 3rd Edition. Prentice Hall India Ltd. New Delhi.
- Burbank, .D. G. and Anderson, R.S. 2001. *Tectonic Geomorphology: A Frontier in Earth Science*. Blackwell Science Inc. London.
- Carter, R.W.G. 1988. *Coastal Environments: An Introduction to the Physical Ecological and Cultural Systems of Coastlines*. Academic Press. London.
- Chorley, R.J. and Kates, R.W. (Editors) 1969. *Water Earth and Man*. Methen. London.
- Cox, A. and Hart, R.B. 1986. *Plate Tectonics: How it Works*. Blackwell Scientific Publications, Oxford.
- Dayal, P. 1990. *A Textbook of Geomorphology*. Shukla Book Depoi, Patna.
- Duff, P.M.D. (Editor) 1994. *Holmes' Principles of Physical Geology*. English Language Book Society/Champman & Hall, London.
- Faniran, A. and Jaje, L.K. 1983. *Humid Tropical Geomorphology*. Longman Ltd. Hyderabad.
- Faribridge, S.W. *Encyclopedia of Geomorphology*. Reinhold Corp. Ltd.

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Geography

Semester : 2 geography and Oceanography (HCT-201)

Unit 1: 1.1- Weathering- Types and resulting landforms.

1.2- Mass wasting- Causes, types and resulting landforms.

Unit 2: 2.1- Processes and landforms - Fluvial, Glacial.

2.2- Landform developed in coastal and arid region.

Unit 3: 3.1- Temperature and salinity of Ocean water with particular reference to Atlantic and Pacific.

3.2- Marine rudiments: Classification, distribution and economic importance.

Unit 4: 4.1- Theories of development of coral reefs(Dousing Davies).

4.2- Tides: Types, Characteristic and Theories of Origin(Progressive wave theory and Stationary wave theory).

Geography

UG_Syllabus_KNU
B.A.(General) Programme in Geography: 2nd Semester
Course Structure (CBCS)
(Climatology and Soil Geography)

Paper-GCT 3	Total: 40+10=50
Unit 1	10
1.1 Thermal structure and layering of atmosphere: Horizontal distribution of Temperature	
1.2 Origin (Thermal Concept and Flohn's Concept) and Characteristics of Monsoon	
Unit 2	10
2.1 Origin and characteristics of temperate and tropical cyclone	
2.2 Precipitation: Forms and Types	
Unit 3	10
3.1 Physical and chemical properties of soil: Texture, Structure and pH	
3.2 Characteristics and development of Soil profile: Laterite and Podzol	
Unit 4	10
4.1 Soil fertility and productivity: Definition, factors affecting soil fertility, soil fertility improvement methods	
4.2 Cause of soil erosion and methods of soil conservation	
Unit 5	10
Internal Assessment: Preparation and interpretation of Daily Weather Data Report on Soil Fertility status of a Mouza (NPK, pH)	

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Climatology

B.A. Honours in Geography

Semester 3
(Climatology)

Paper: HCT 5

Marks: 40+10 = 50

Unit-I

10

- 1.1 Atmospheric temperature: Insolation and its latitudinal variation and heat budget. Horizontal and vertical distribution of temperature with special reference to Inversion of temperature
- 1.2 Global distribution of atmospheric pressure and planetary wind system

Unit-II

10

- 2.1 Forces and mechanism of wind system – Coriolis force, Geostrophic wind, Ekman spiral, Jet stream and surface weather condition
- 2.2 Atmospheric disturbances: Temperate and Tropical cyclone (origin, characteristics and their impact on weather)

Unit-III

10

- 3.1 Atmospheric stability and instability: Concept of equilibrium, Adiabatic Lapse rate, Atmospheric stability and lapse rate
- 3.2 Condensation – Process of cooling, forms of condensation, theories of precipitation, Cloud burst and flash flood

Unit-IV

10

- 4.1 Classification of World climate: Koeppen and Trewartha: Recent climate change issues: causes and evidences
- 4.2 Impact of climate on agriculture and house types: Agro-climatic regions of India

Unit- V Internal Assessment

10

Assignment on issues related to Climate Change

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Geography

B.A. Honours in Geography Semester 3

Soil and Biogeography

Paper: HCT 6

Marks: 40+10 =50

Unit-I	10
1.1 Concept of Land and Soil. Physical and chemical properties of soil: Texture, Structure, pH, Organic matter	
1.2 Profile development of Zonal soils: Laterite, Chernozem, and Podsol	
Unit-II	10
2.1 Soil fertility and productivity: Definition, factors affecting fertility and productivity, soil fertility improvement methods	
2.2 Soil erosion and Conservation and management	
Unit-III	10
3.1 Definition of Biosphere and Biogeography. Meaning of Ecology, Ecosystem, Environment, Eco-tone, Communities, Habitats, Niche, Biotopes, Biomes and Ecological pyramids	
3.2 Energy flow in ecosystem, biogeochemical cycles (Carbon, Nitrogen, Oxygen), Food chain and Food web	
Unit-IV	10
4.1 Biomes: Tropical rainforest and temperate grassland	
4.2 Wildlife Conservation and its importance. Tiger and Elephant conservation in India	
Unit- V Internal Assessment	10
Assignment on Management of Soil Species Diversity in the local area	

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Cneography

B.A. Honours in Geography Semester 3

Weather Data Recording and Soil Testing

Paper: HCP 7

Marks: 40+10= 50

Unit-I	10
Meaning of Weather Codes and Symbols- IMD and International	
Unit-II	10
Preparation and interpretation of Station Models	
Unit-III	10
Reading, Recording and Analysis of Weather Data obtained from Barometer, Hygrometer and Maximum-Minimum Thermometer	5
Soil Testing: pH, Organic carbon and Nitrogen. Determination of Soil Texture by Feel method	5
Unit-IV	10
Internal assignment: Preparation of Soil map of a local Mouza	
Unit-V	10
Laboratory Note Book and Viva-Voce	

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Geography

B.A. Honours in Geography Semester 4

Economic and Social Geography

Paper: HCT 9

Marks: 40+10= 50

Unit-I

10

1.1 **Resources: Concept** and Classification, Economic and Environmental approach, Problems of resource depletion (Water and Fossil Fuels)

1.2 Economic activities – Types, evolution, characteristics and role in economic development

Unit-II

10

2.1 Type of **Agriculture: Intensive Subsistence** agriculture in Asia, Commercial grain farming in USA, Sheep rearing in Argentina, Market gardening and Orchard farming in Europe

2.2 Agricultural Economy: **Agricultural location** theory – Von -Thunen and Hoover

Unit-III

10

3.1 Major Industries: Tourism industry in India, Petrochemicals in USA, IT industry in India, Hooghly Industrial region

3.2 Role of Transport for industrial and economic development of a region, Rostow and Tulle model of Transport and Economic development

Unit-IV

10

4.1 Definition, Nature, Scope & Content of **Social Geography**, Major Racial groups of India

4.2 Concept of Culture, Cultural diffusion & Convergence, Cultural Realms of the World

Unit- V Internal Assessment

10

Assignment on Eco- firming/ Agro based Industries

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Geography

B.A. Honours in Geography Semester 6 Political Geography

Papers: DSE 4(C)

Marks: 40+10= 50

Unit-I	10
1.1 Concept, Nature, Scope and Recent trends in Political Geography	
1.2 Concepts of Territoriality, State, Nation and Nation State	
Unit-II	10
2.1 Frontiers and Boundaries: Definition, Concept and Classification	
2.2 Geopolitics: Concept and Theories (Heartland and Rimland)	
Unit-III	10
3.1 Regionalism and Federalism in India: Growth and Factors.	
3.2 Electoral Geography – Geography of voting, Geographic influence on voting pattern, Geography of Representation	
Unit-IV	10
5.1 Political Geography of Resource Conflicts- Water sharing disputes, Disputes and conflicts related to Forest Rights and Minerals	
5.2 Politics of Displacement: Issues of Relief Compensation and rehabilitation with reference to Dams and Special Economic Zones	
Unit-V	10
Internal Assessment: Assignment on Political Issues during Municipal and Panchyat Elections about Amenities Facilities	

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Geography

B.A. Honours in Geography

Semester 6

LAND USE AND LAND USE PLANNING

Paper: DSE 4(B)

Marks: 40+10 = 50

Unit-I	10
1.1 Land: Concept, Importance and Classification. Importance of Land in geographical study	
1.2 Land use: Concept, Factors and Types	
Unit-II	10
2.1 Determinants of Land use: Soil, Land and Water	
2.2 Land use: Principles (Graham and Stamp) and Approaches	
Unit-III	10
3.1 Land Capability: Concept, Objectives and Classification (I. D. Stamp and AIS and LSO)	
3.2 Land use Planning: Concepts and Methods (the British method, F.A.O.'s method and Indian method)	
Unit-IV	10
4.1 Land use planning and rural development: planning, problems, management, and Indian scenario	
4.2 Land use planning in different regions with special reference to Sundarban and Darjeeling Himalaya	
5 Unit-V	10
Internal Assessment: Assignment on Land Capability Classification	

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Geography

B.A. Honours in Geography

Semester 6

Environmental Geography

Papers: DSE 4(E)

Marks: 40+10= 50

Unit-I	10
1.1 Meaning of Environment: Components, Structure and Types of Environment.	
1.2 Man-Environment Relationship during Periods of Hunting and Food Gathering. Domestication of Animals and Plants, and Industrialization	
Unit-II	10
2.1 Man and Atmosphere: Global Warming and Ozone Depletion Man and Forest: Deforestation and Biodiversity Loss	
2.2 Hazards and Disasters: Meaning, Concept and Types Hazards and Disasters related to Flood, Drought, Tropical Cyclones in India	
Unit-III	10
3.1 Air and Water Pollution- Causes and Impact 3.2 Air and Water Pollution- Controlling Measures	
Unit-IV	10
4.1 Conservation and Management of Forest in India: Afforestation, Social Forestry, Agro-forestry, Joint Forest Management	
4.2 Environmental Monitoring: Biological Monitoring Programme, Bio-indicators and Environmental Monitoring	
Unit-V	10
Internal Assessment Assignment on Local Environmental Issues	

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SEMESTER V

Select Themes in the Colonial Impact on Indian Economy and Society (Core – 11)

1. Colonial State institutions and ideologies: Colonial Economic interests, Company's Commerce, Mercantilism to Free trade, Deindustrialisation and Drain of Wealth.
2. Land Settlements and agricultural change— Commercialisation of Agriculture.
3. Modern Industrialisation — Long term Constraints
4. Census and Caste — Colonial ethnology — Sanskritisation, Westernisation and Social reform— Brahma Samaj&ParthanaSamaj
5. Reformism and Revivalism: The Aryadharma and Ramkrishna Vivekananda Movement.
6. Islamic reform in India: The Reformers and the Orthodox

Suggested Readings:

- Tirthankar Roy, *Economic History of India, 1857-19147*
- K. N. Raj, *Essays on the Commercialization of Indian Agriculture*
- Sekar Bandyopadhyay, *Caste, Culture and Hegemony: Social Dominance in Colonial Bengal*
- Thomas R. Trautmann, *Aryans and British India*
- Mushirul Hasan, *Writing India: Colonial Ethnography in the Nineteenth Century*
- G. S. Ghurye, *Caste and Race in India*
- Dipankar Gupta, *Caste in Question: Identity or Hierarchy*
- Nicholas B. Dirks, *Caste of Mind: Colonialism and the Making of Modern India*
- Shriram Maheswari, *The Census Administration under the Raj and After*
- C. A. Bayly, *Indian Society and the Making of the British Empire*
- Douglas M. Peers, *India under Colonial Rule, 1700-1885*
- B. R. Tomlinson, *The Economy of Modern India, 1860-1970*
- Gurilym Beckerlegge, *The Ramakrishna Mission: The Making of Modern Hindu Movement*
- Jayasree Mukherjee, *The Ramakrishna-Vivekananda Movement: Impact on Indian Society and Politics, 1893-1922*
- Neilesh Bose, *Recasting the Region: Language, Culture and Islam in Colonial Bengal*
- Shireen Maswood, Amit Dey and Ritwika Biswas, *Between Tradition and Modernity: Aspects of Islam in South Asia*
- Barbara D. Metcalf, *Islam in South Asia in Practice*
- , *Islamic Revival in British India: Deoband 1860-1900*
- Kenneth W. Jones, *Socio-Religious Reform Movements in British India, Part 3, Vol. 1*
- H.O. Pearson, *Islamic Reform and Revival in Nineteenth Century India.*

B.A Honours in Political Science: CBCS

Political
Science.

Syllabus: Kazi Nazrul University

DSE – Environmental Politics

Unit 1: Environmentalism: Meaning, Key Related Ideas, Significance

Unit 2: Collective action problems and environmental challenges in developing and developed countries;

Unit 3: Major Environmental Movements in India: Chipko – Narmada Banchao

Unit 4: Regional and international efforts to address climate change.

Unit 5: Green Governance: Sustainable Human Development

Suggested Readings:

1. Ramachandra Guha, *Environmentalism: A Global History* (Longman Publishers)
2. Burns H Weston and David Bollier, *Green Governance: Ecological Survival, Human Rights, and the Law of the Commons* (Cambridge University Press)
3. J. Volger, 'Environmental Issues', in J. Baylis, S. Smith and P. Owens (eds.) *Globalization of World Politics* (New York: Oxford University Press)
4. A. Heywood, *Global Politics* (New York: Palgrave)