

COURSE: ENVS2AECC2
ENVIRONMENT SCIENCE (THEORY)

Year end Examination: 100 marks

Note: The Examiner will set a total of nine (9) questions covering all topics/units of the prescribed course by setting at least two questions from each unit. Out of the nine questions, one question containing ten (10) short-answer type questions of two marks each that will cover entire course will compulsory. The candidate will attempt a total of five questions (one from each unit) including the compulsory question. All questions will carry equal marks.

Unit 1

Introduction to environmental studies & Ecosystems: Multidisciplinary nature of environmental studies: Scope and importance; what is an ecosystem? :Structure and function of ecosystem, Energy flow in an ecosystem, food chains, food webs and ecological succession, Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems; Levels of biological diversity: genetic, species and ecosystem diversity, Biogeographic zones of India, Biodiversity patterns and global biodiversity hot spots, India as a mega-biodiversity nation, Endangered and endemic species of India, Threats to biodiversity, Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions, Conservation of biodiversity, *In-situ* and *Ex-situ* conservation of biodiversity, Concept of sustainability and sustainable development.

(20 Periods)

Unit 2

Natural Resources & its management and conservation: 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 non renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

(15 Periods)

Unit 3

Environmental Pollution & Management: Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution, Solid waste management: Control measures of urban and industrial waste. Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture. Environment Laws: Environment Protection Act, Air (Prevention & Control of Pollution) Act, Water (Prevention and control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act; International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD); Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.

(15 Periods)

Unit 4

Environment & Social Issues: Human population growth: Impacts on environment, human health and welfare; Resettlement and rehabilitation of project affected persons; case studies; Disaster management: floods, earthquake, cyclones and landslides; Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan; Environmental ethics: Role of Indian and other religions and cultures in environmental conservation; Environmental communication and public awareness, case studies

(10 Periods)

Suggested Readings:

1. Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt.
2. Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of India*. Univ. of

3rd Year

Part A - RENEWABLE ENERGY AND ENERGY HARVESTING - SEC4

Name of the Course	PHYSICS-SEC4: RENEWABLE ENERGY AND ENERGY HARVESTING (Credits: Theory-03) Theory: 30 Lectures
Code	PHYS310TH
Yearly Based Examination	50 marks (3 Hrs)
Continuous Comprehensive Assessment (CCA)	30 marks
CCA: Based on Midterm Exam, Class Test/Seminar/Assignments/Quiz and Attendance: CCA Theory: Midterm Exam = 10 marks, Class Test/Seminar/Assignments/Quiz = 05 marks, Attendance Theory = 05 marks. CCA Skill: Project File or Dissertation Record + Seminar = 5+5 marks.	

Part B - RENEWABLE ENERGY AND ENERGY HARVESTING SKILL EXAM – SEC4

Name of the Course	PHYSICS-SEC4: RENEWABLE ENERGY AND ENERGY HARVESTING SKILL EXAM (Credits: -01)
Maintain Project file or Dissertation to check Analytic skill/Problem solving in skill exam.	
Code	PHYS310SE
Yearly Based Skill Examination	20 marks (3 Hrs)
Distribution of Marks: Hands on Skill Test = 15 Marks, Viva Voce = 5 Marks.	

PHYSICS-SEC4: RENEWABLE ENERGY AND ENERGY HARVESTING SKILL EXAM

- ❖ Skill based Project or Dissertation work on any topic of syllabus mentioned under Renewable Energy and Energy Harvesting (PHYS310TH) for Analytical skill/ Problem solving.

Instructions for Paper Setters and Candidates:

1. Examiner will set seven questions in all covering the entire syllabus each of 10 marks ,
2. The candidate will be required to attempt five questions in all. The duration of the examination will be 3 hours.

The aim of this course is not just to impart theoretical knowledge to the students but to provide them with exposure and hands-on learning wherever possible

Fossil fuels and Alternate Sources of energy: Fossil fuels and Nuclear Energy, their limitation, need of renewable energy, non-conventional energy sources. An overview of developments in

Offshore Wind Energy, Tidal Energy, Wave energy systems, Ocean Thermal Energy Conversion, solar energy, biomass, biochemical conversion, biogas generation, geothermal energy tidal energy, Hydroelectricity.

(3 Lectures)

Solar energy: Solar energy, its importance, storage of solar energy, solar pond, non convective solar pond, applications of solar pond and solar energy, solar water heater, flat plate collector, solar distillation, solar cooker, solar green houses, solar cell, absorption air conditioning. Need and characteristics of photovoltaic (PV) systems, PV models and equivalent circuits, and sun tracking systems.

(6 Lectures)

Wind Energy harvesting: Fundamentals of Wind energy, Wind Turbines and different electrical machines in wind turbines, Power electronic interfaces, and grid interconnection topologies.

(3 Lectures)

Ocean Energy: Ocean Energy Potential against Wind and Solar, Wave Characteristics and Statistics, Wave Energy Devices. Tide characteristics and Statistics, Tide Energy Technologies, Ocean Thermal Energy, Osmotic Power, Ocean Bio-mass.

Geothermal Energy: Geothermal Resources, Geothermal Technologies.

(7 Lectures)

Hydro Energy: Hydropower resources, hydropower technologies, environmental impact of hydro power sources.

(2 Lectures)

Piezoelectric Energy harvesting: Introduction, Physics and characteristics of piezoelectric effect, materials and mathematical description of piezoelectricity, Piezoelectric parameters and modeling piezoelectric generators, Piezoelectric energy harvesting applications, Human power

(4 Lectures)

Electromagnetic Energy Harvesting: Linear generators, physics mathematical models, recent applications, Carbon captured technologies, cell, batteries, power consumption, Environmental issues and Renewable sources of energy, sustainability.

(5 Lectures)

Demonstrations and Experiments

1. Demonstration of Training modules on Solar energy, wind energy, etc.
2. Conversion of vibration to voltage using piezoelectric materials
3. Conversion of thermal energy into voltage using thermoelectric modules.

Reference Books:

- Non-conventional energy sources - G.D Rai - Khanna Publishers, New Delhi
 - Solar energy - M P Agarwal - S Chand and Co. Ltd.
 - Solar energy - Suhas P Sukhative Tata McGraw - Hill Publishing Company Ltd.
 - Godfrey Boyle, "Renewable Energy, Power for a sustainable future", 2004, Oxford University Press, in association with The Open University.
 - Dr. P Jayakumar, Solar Energy: Resource Assesment Handbook, 2009
 - J.Balfour, M.Shaw and S. Jarosek, Photovoltaics, Lawrence J Goodrich (USA).
 - http://en.wikipedia.org/wiki/Renewable_energy
-

Course No. ECONA316
Course title: Environmental Economics
Nature of Course: GEC – 4
Number of credits: 6
Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

Course Description

This course focuses on economic causes of environmental problems. In particular, economic principles are applied to environmental questions and their management through various economic institutions, economic incentives and other instruments and policies. The course does not require any prior knowledge of economics. The course will be useful for students aiming towards careers in the government sector, NGOs, policy analysis, business and journalism.

Course Outline

Unit	Title	Credits	
		L	T
I.	Introduction to Environmental Economics Introduction; The economy and the environment: inter-linkages; First two laws of thermodynamics. Environment as a necessity and luxury – population and environment linkage. Economic Efficiency and Market Failures: Environment quality as a public good, Private and Social cost, Pareto optimality and market failure in the presence of externalities; Economic Efficiency, Deviation from Efficiency; Common property	11	4
II.	Population, Pollution and Environment Theory of Demographic Transition; Economics of Pollution: Damage functions and abatement cost functions; Marginal decisions; Optimal level of pollution; Market solutions and government actions; Economic incentives and least-cost solutions; Command and control policies. Environmental issues in developed and developing countries; Use of Resources; Environmental Protection laws; Environmental Education and its merits.	12	4
III.	Valuing the Environment Economic valuation of environmental goods; Types of environmental values; Monetary valuation techniques; Non-monetary valuation techniques; Comparing methodologies. Cost-Benefit Analysis and the Environment: The theory of cost-benefit analysis; Idea of discounting and choice of discount rate; Framework for cost-benefit analysis; Discounting and future generations.	10	4
IV.	Economic Growth and Sustainable Development Economic growth, development and sustainable development; The environmental Kuznets curve; Economics of sustainable development. International Environmental Issues: Economics of climate change; Trade and the environment. Indian environment policies and performance, pollution control boards and their functions.	11	4

Suggested Readings:

1. Kolstad, C.D. (2007), Environmental Economics, Oxford University Press, New Delhi.
2. Nick Hanley et al (2007), Environmental Economics: Theory and Practice, Palgrave MacMillan.
3. Katar Singh and Anil Sisodia (2007), *Environmental Economics: Theory and Application*, Sage Publications, New Delhi.
4. Karpagam (2008), Environmental Economics, Sterling Publishers, New Delhi
5. R.K. Lekhi et al. (2008), Development and Environmental Economics, Kalyani Publishers, Ludhiana.
6. S.P. Misra & S.N. Pandey (2008), Essential Environmental Studies, Ane Books, New Delhi.
7. Maureen L. Cropper and Wallace E. Oates, 1992, —Environmental Economics: A Survey, II Journal of Economic Literature, Volume 30:675-740.
8. Charles Kolstad, Intermediate Environmental Economics, Oxford University Press, 2nd edition, 2010.

4. ENVIRONMENTAL GEOGRAPHY (GEOGP 202CC)

Course Code	GEOGP 202CC		
Credits-6	L	T	P
	65	25	0
Course Type	Core		
Lectures to be Delivered	90		

Note: CCA and Annual Examination scheme is same as in Paper GEOGP101CC

Course Content and Credit Scheme

L-Lecture, T-Tutorial and P-Practical and Practices

Unit	Topic	Allotted Time (Hours)		
		L	T	P
I.	Definition and Scope of Environmental Geography Meaning and Components of Environment Ecosystem – Concept, components and Functions	17	7	0
II.	Human-Environment Relationship Environmental Determinism and Possibilism Biomes- Definition, Mountain and Desert Regions	16	6	0
III.	Environmental Problems: Air and water Pollution, Their Causes, Impacts and Management, Biodiversity Loss	16	6	0
IV.	Environmental Management Initiatives in India Environmental Protection Act, 1982, Environmental Policy of India(2006), Chipko Movement	16	6	0
	Total Hours	65	25	0

Reading List

1. Casper J.K. (2010) Changing Ecosystems: Effects of Global Warming. Infobase Pub. New York.
2. Hudson, T. (2011) Living with Earth: An Introduction to Environmental Geology, PHI Learning Private Limited, New Delhi.
3. Miller, G.T. (2007) Living in the Environment: Principles, Connections, and Solutions, Brooks/ Cole Cengage Learning, Belmont.
4. Singh, R.B. (1993) Environmental Geography, Heritage Publishers, New Delhi.
5. UNEP (2007) Global Environment Outlook: GEO4: Environment For Development, United Nations Environment Programme. University Press, Cambridge.
6. Wright R. T. and Boorse, D. F. (2010) Toward a Sustainable Future, PHI Learning Pvt Ltd, New Delhi.
7. Singh, R.B. and Hietala, R. (Eds.) (2014) Livelihood security in Northwestern Himalaya: Case studies from changing socio-economic environments in Himachal Pradesh, India. Advances in Geographical and Environmental Studies, Springer
8. Singh, Savindra 2001. *Paryavaran Bhugol*, Prayag Pustak Bhawan, Allahabad. (in Hindi)

B. A. THIRD YEAR (GE I)
GE-1: HIST (A) 309
Women in Indian History

- I. Theory and concepts
 - a. Understanding gender and patriarchy
 - b. Historiography: women's history in India
- II. Women in ancient India
 - a. Brahmanical and non- Brahmanical patriarchy in India
 - b. Women and property
- III. Women in medieval India
 - a. Political processes, the harem and household
 - b. Women and literary activities; Imperial women: Razia Sultan, Nur Jahan, Jahanara
- IV. Women in Modern India
 - a. Social reforms and women in the 19th century: social base, issues, achievements and limitations
 - b. Women and Indian Nationalism: Gandhi and women's participation; programmes; limitations and constraints

Recommended Books

1. Bhasin, Kamla, *Understanding Gender*, New Delhi, 2000.
2. Bock, Gisela, 'Women's History and Gender History: Aspects of an International Debate', *Gender and History*, 1 (1), Spring 1989, pp. 7-30
3. Bokhari, Afshan, 'Between Patron and Piety: Jahān Ārā Begam's Sufi Affiliations and Articulations in Seventeenth-century Mughal India', *In Sufism and Society: Arrangements of the Mystical in the Muslim World, 1200-1800*, New Delhi, 2011.
4. Chakravarti, Uma, 'Conceptualising Brahmanical Patriarchy in Early India: Gender, Class, Caste and State', *Economic and Political Weekly*, 28(14), 3 April 1993, pp.579-85.
5. Forbes, Geraldine, *Women in Modern India*, Cambridge, 1996.
6. Gupta, Charu, (ed.), *Gendering Colonial India: Reform, Print, Caste and Communalism*, Delhi, 2012.
7. Kumar, Radha. *The History of Doing: An Illustrated Account of Movements for Women's Rights and Feminism in India, 1800-1990*, Delhi, 1997.
8. कुमार, राधा, *स्त्री संघर्ष का इतिहास, 1800-1990*, वाणी प्रकाशन, दिल्ली, 2016.
9. Lal, Ruby, *Domesticity and Power in the Early Mughal World*, Cambridge, 2005.

B. A. THIRD YEAR (GE III)
GE-2: HIST (A) 311
Environmental Issues in India

- I. Social perspectives on environment
 - a. Studying human-nature interactions
 - b. Recent trends; debating anthropocene
- II. Geography, Ecology and Cultures in Pre-Colonial India
 - a. Land, Forests, Pastures,
 - b. Monsoon, river systems and oceans
- III. Colonialism and Environment
 - a. New Regimes of Land, Forests, Water and Irrigation;
 - b. Resistance to New Regimes: Peasants, Tribal and Pastoralists
- IV. Independent India and environment:
 - a. Forests, Human-wildlife conflict, threat to Bio-diversity
 - b. Water, Dams, Displacement, Pollution, Degradation, Green Revolution and Mitigating hunger

Recommended Books

1. Agarwal, Anil and S. Narain (eds.), *The Second Citizen's Report on the Environment in India*, 1984-85, Delhi, 1985.
2. Agarwal, Anil and S. Narain (eds.), *The Fifth Citizen's Report on the Environment in India*, Delhi, 1999.
3. Agarwal, Anil et al. (eds.), *The First Citizens' Report on the Environment in India*, Delhi, 1982.
4. Divyabhanusinh, *The End of a Trail: History of Cheetah in India*, New Delhi, 1990.
5. फतेहअली, लाईक, *हमारा पर्यावरण*, नेशनल बुक ट्रस्ट, नई दिल्ली, 2011
6. Gadgil, Madhav and Ramachandra Guha, *Ecology and Equity*, New Delhi, 1995.
7. Gadgil, Madhav & Ramachandra Guha, *This Fissured Land: An Ecological History of India*, New Delhi, 2001.
8. Grove, Richard, Vinita Damodaran and Satpal Sangwan (eds.), *Nature and the Orient: The Environmental History of South and Southeast Asia*, New Delh, 2000.
9. Guha, R., *Environmentalism: A Global History*, New Delhi, 2001.
10. Habib, Irfan, *Man and Environment. The Ecological History of India (A People's History of India Series, Vol. 36)*, Aligarh Historian Society, New Delhi, 2010.

B.A Philosophy Syllabus BA- 2nd Year
SKILL ENHANCEMENT COURSE
Code PHIL -A-206 SEC ETHICS -1

Course Code	Code –PHIL-A-206 SEC	
Credits -4	L (L = Lecture) L5, T-1	T (T= Tutorial)
Course Type	Skill Enhancement Course	
Lecture to be delivered	(I hr. each), (L = 75, T = 15)	

Year End Examination System

Maximum Marks Allotted	Minimum Pass Marks	Time Allowed
70	28	3.00 Hrs.

Continuous Comprehensive Assessment (CCA) Pattern

Attendance	Class Test	Assignment/ Tutorials/general behaviour of the student	House-Test	Total Marks
05 Marks	05 Marks	10 Marks	10 Marks	30

Course Content and Scheme

Unit	Topic	Allotted Time		
		L	T	P
I	DEFINATION OF ETHICS 1. Meaning, Nature, Scope and Method of Ethics 2. Ethics as normative science 3. Moral concepts: Good, Right, Duty, Value etc. 4. Postulates of Morality	20	3	0
II	Levels of Morality 1. Reflective and customary Morality MORAL THEORIES: 1. Hedonism: psychological and moral 2. Egoism: psychological and moral	20	5	0
III	Utilitarianism : 1. Bentham 2. John Stuart Mill 3. Sedgwick	20	3	0

IV	Perfectionism: Hegel T.H.Green F.H.Bradley	15	4	0
Total		75 + 15 = 90		

L-Lecture, T- Tutorials, P- Practical

Books Recommended:

William Lillie	: An Introduction to Ethics
A.Macintyre	: A Short History Ethics
J Mackenzie	: A manual of Ethics
Dr. VedPrakashVerma	: Nitishastra ke mool siddhant

B.A Philosophy Syllabus BA-3rd Year
SKILL ENHANCEMENT COURSE
Code PHIL-A- 307 SEC ETHICS -2

Course Code	Code –PHIL-A-307 SEC	
Credits -4	L (L = Lecture)	T (T= Tutorial)
	L5, T-1	
Course Type	Skill EnhancementCourse	
Lecture to be delivered	(I hr. each), (L = 75, T = 15)	

Year End Examination System

Maximum Marks Allotted	Minimum Pass Marks	Time Allowed
70	28	3.00 Hrs.

Continuous Comprehensive Assessment (CCA Pattern)

Attendance	Class -Test	Assignment/ tutorials/General behaviour of the student	House-Test	Total Marks
05 Marks	05 Marks	10 Marks	10 marks	30

Course Content and Scheme

Unit	Topic	Allotted Time		
		L	T	P

I	INTUITIONISM 1. Bishop Butler 2. G.E. Moore	20	3	0
II	KANT Theory of categorical imperative	20	5	0
III	PLATO and ARISTOTLE Theory of Virtue	20	3	0
IV	FREE WILL AND DETERMINISM THEORIES OF PUNISHMENT	15	4	0
Total			75 + 15 = 90	

L-Lecture, T- Tutorials, P- Practical

Books Recommended:

William Lillie

: An Introduction to Ethics

A.Macintyre

: A Short History Ethics

John Mackenzie

: A manual of Ethics

Dr. VedPrakashVerma

: Nitishastrakemoolsiddhant

B.A Philosophy Syllabus BA-3rd Year
SKILL ENHANCEMENT COURSE
Code PHIL-A- 308 SEC APPLIED BIO-ETHICS

Course Code	Code –PHIL-A-308 SEC	
Credits -4	L (L = Lecture)	T (T= Tutorial)
	L5, T-1	
Course Type	skill enhancementCourse	
Lecture to be delivered	(1 hr. each), (L = 75, T = 15)	

Year End Examination System

Maximum Marks Allotted	Minimum Pass Marks	Time Allowed
70	28	3.00 Hrs.

Continuous Comprehensive Assessment (CCA) Pattern

Attendance	Class-test	Assignment/ Tutorials/ General behaviour of the student	House-test	TotalMarks
05 Marks	05 Marks	10 Marks	10 Marks	30

Course Content and scheme

Unit	Topic	Allotted Time		
		L	T	P
I	NORMATIVE ETHICS AND APPLIED ETHICS, Bio-Ethics as a field of ethics, basic ethical issues in Bio-Ethics	20	3	0
II	Euthanasia -Introduction, Historical Perspective ,Types of Euthanasia,Argument against Euthanasia ,Argument for allowing someone to die.	20	5	0
III	Suicide— definition of suicide, argument against the morality of suicide, argument for the morality of suicide, the theological approach	20	3	0

IV	Abortion-Definition ,Historical perspective, Ethical issues related to Abortion, Argument against Abortion, Argument for Abortion	15	4	0
Total			75 + 15 = 90	

L-Lecture, T- Tutorials, P- Practical

Books Recommended:

1. R. Chadwick: (Ed): Encyclopedia of Applied Ethics.
2. Patrick Curry : Ecological Ethics – 2006
3. H.C. Greighton: Philosophy and Ecological Problems of Civilization

B.A Philosophy Syllabus BA-3rdYear
DISCIPLINE SPECIFIC ELECTIVE COURSE
Code PHIL-A-309 DSE WESTERN PHILOSOPHY - 1

Course Code	Code –PHIL-A-309 DSE	
Credits -6	L (L = Lecture) L5, T-1	T (T= Tutorial)
Course Type	Discipline Specific Elective Course	
Lecture to be delivered	(1 hr. each), (L = 75, T = 15)	

Year End Examination System

Maximum Marks Allotted	Minimum Pass Marks	Time Allowed
70	28	3.00 Hrs.

Continuous comprehensive Assessment (CCA) Pattern:

Attendance	Class Test	Assignment / Tutorials/General behaviour of student	House-Test	Total Marks
05 Marks	05 Marks	10 Marks	10 Marks	30

Course Content and Scheme

Unit	Topic	Allotted Time		
		L	T	P
I	THEOTIES OF TRUTH : COHERENCE, CORRESPONDENCE AND PRAGMATIC	20	3	0

Google Website and other related online websites.

**B.A. Political Science Syllabus (Regular)
BA-III Year (Annual System)
Generic Elective-2 Generic-2
Code: GE-2-POLS306
Human Rights, Gender and Environment**

Course Code	GE-2-POLS306	
Credits-6	L =Lecture	T= Tutorial
	L= 5	T =1
Course Type	GE	

Term End Examination System

Maximum Marks	Minimum Pass Marks	Total Maximum aggregate marks Annual exam + CCA/IA	Minimum Aggregate Pass marks in Percentage Annual exam +CCA/IA	Time Allowed
70	25	100	40%	3.00 Hrs.

Continuous Comprehensive Assessment CCA/IA Pattern

Attendance	Class Test	House Test	Assignment/Seminar/Class Test/Tutorial/Quiz etc.	Total Maximum marks CCA/IA	Minimum Pass Marks	Total maximum aggregate marks	Minimum aggregate pass marks in percentage annual examination + CCA/IA
5	5	10	10	30	11	100	40%

Course Content

Unit	Topic
I	Human Rights: Meanings and Scope. UN Declarations and Covenants.
II	Human Rights in India: Constitutional Provisions and Practices. The Role of National Human Rights Commission (NHRC).
III	Analyzing Structures of Patriarchy. Economic Development and Women. The Issue of Women Political Participation and Representation in India.
IV	Environmental and Sustainable Development. UN Environment Programme: Rio, Johannesburg and after. Environmental Policy in India.

Suggested Readings

1. Anil Agarwal and Sunita Narain (1991), **Global Warming and Unequal World: A Case of Environmental Colonialism**, Centre for Science and Environment, Delhi.
2. Upendra Baxi (2002) **The Future of Human Rights**, Oxford University Press, Delhi.
3. Andre Beteille (2003) **Antinomies of Society: Essays on Ideology and Institutions**, Oxford University Press, Delhi.
4. V. Geetha (2002) **Gender**, Stree Publications, Kolkata.
5. Ghanshyam Shah (1991) **Social Movements in India**, Sage Publications, Delhi.

6. Ramachandra Guha, and Madhav Gadgil (1993) **Environmental History of India**, University of California Press, Berkeley.
7. G. Haragopal (1997) **The Political Economy of Human Rights**, Himachal Publishing House, Mumbai.
8. Nivedita Menon (ed) (2000) **Gender and Politics in India**, Oxford University Press, Delhi.
9. Sujata Patel et al (eds) (2003) **Gender and Caste: Issues in Contemporary Indian Feminism**, Kali for Women, Delhi.
10. Nandita Shah and Nandita Gandhi (1992) **Issues at Stake: Theory and Practice in the Contemporary Women's Movement in India**, Kali for Women, Delhi.
11. Colin Gonsalves (2011) **Kaliyug: The decline of human rights law in the period of globalization** Human Rights Law Network, New Delhi.
12. Amartya Sen **Development as Freedom** (1999) New Delhi, Oxford University Press.

Note: Student may consult online Research Articles from JSTOR, Google Scholar, Google Website and other related online websites.

Scheme of Examinations

The broad outline/template/structure of the Annual System Under CBCS as guidelines (From 2018-2019 onwards).

The annual system under CBCS will start from session 2018-19

The total credits for the pass course at Under-Graduate level is 132 and for Honours courses at undergraduate level is 148.

Eligibility for admission: eligibility conditions for the BA shall be same as provided in the ordinances for annual system.

Lecture Conditions: The lecture conditions shall be as provided in HPU Ordinance 6.2 (a) to (d) IA/CCA and Term End Examinations will be in consonance with the existing RUSA provisions.

(The Board of Studies adopted the division of marks of the course as per the existing norms under CBCS (RUSA) i.e. 70 percent for theory paper and 30 percent for internal assessment. For determining CCA the following procedure shall be applicable:

- (i) 5 marks for Attendance and Class Response
- (ii) 5 marks for Class Test to be taken on completion of 40 percent syllabi by the class teacher.
- (iii) 10 marks for House Test to be taken on completion of 75 percent of syllabi
- (iv) 10 marks for Assignment/Seminar/Class Test/Tutorial/Quiz etc.

Total = 5 + 5 + 10 + 10 = 30

Sociology Syllabus
BA-2nd Year
Skill Enhancement Course (SEC-2)
Code: SOCL-A 204

Course: Sociology of Environment

Course Code	Code: SOCL-A 204	
Credits-4	L (L=Lecture)	T (T=Tutorial)
	L-3	T-1
Course Type	Skill Enhancement Course	
Lecture to be Delivered	(1 hr. each), (L=75, T=15)	

Examination Marks Distribution

Maximum Marks	Internal Assessment (IA)	Term End Examination (TEE)	Pass Marks		
			IA	TEE	Aggregate
100	30	70	11	25	40

Note: Minimum passing marks will be 40% in aggregate. However, 35% each in Internal Assessment and final examinations will be compulsory

Term End Examination System

Maximum Marks Allotted	Time Allowed
70	3.00 Hrs

Continuous Comprehensive Assessment (CCA) Pattern

Class Test (Marks)	House Test (Marks)	Tutorials/Assignments/General Behavior of Students, etc. (Marks)	Attendance (Marks)	Total Marks
05	10	10	5	30

Note: Class test to be taken by teacher on the completion of 40% syllabus and house test on the completion of 75% syllabus

Course Contents

Course Objective:

This course will sensitise students about the issues related to environmental concerns and interrelationship of environment and society.

Unit	Topics
I	Concept and Meaning: (i). Environment and Society (ii). Need and Importance of Sociology of Environment
II	Environment and Resources: (i). Environment and Natural Resources (ii). Ecology, Ecosystem and Society
III	Development and Environment: (i). Industrialization, Urbanization and Environmental Degradation (ii). Depletion of Natural Resources and Pollution - Air, Water and Soil.
IV	Contemporary Environmental Concerns: (i). Deforestation and Ecological Crises (ii). Global Warming and Climate Change; Construction of Dams and its Impacts

Suggested Readings

1. *Adams, W.M.* 1990. *Green Development*. London: Routledge.
2. *Arnold, D. and Ramchandra Guha (eds.)*. 1995. *Nature, Culture, Imperialism: Essays on the Environmental History of South Asia*. New Delhi: Oxford University Press.
3. *Baviskar, Amita*. 2006. *In the Belly of the River: Tribal Conflicts over Development in the Narmada Valley*. New Delhi: Oxford University Press.
4. *Brara, Rita*. 2004. 'Ecology and Environment' in Veena Das (ed.): *Handbook of Indian Sociology*. New Delhi: Oxford University Press.
5. *Chhokar, Kiran B.; Pandya M. and Raghunathan (ed)*. 2004. *Understanding Environment*. New Delhi: Sage Publications.
6. *Elliot, Jennifer A.* 1994. *Sustainable Development*. London: Routledge.
7. *Fisher, William, F. (ed)*. 1997. *Towards Sustainable Development*. New Delhi: Rawat Publication.
8. *Gadgil, M. & R. Guha*. 1995. *Ecology and Equity – The Use and Abuse of Nature in Contemporary India*. Penguin, Delhi.
9. *Gadgil, Madhav and Ramchandra Guha*. 1996. *Ecology and Equity: The Use and Abuse of Nature in Contemporary India*. New Delhi: Oxford University Press.
10. *Goldsmith, E. and N. Hildyard (ed)*. 1994. *The Social and Environmental Effects of Large Dams*; Vol. I- III, Wadebridge Ecological Centre, U.K.
11. *Hannigan, J.A.* 1995. *Environmental Sociology*. London: Routledge.
12. *Kemp, David*. 1994. *Global Environmental Issues*. London: Routledge.
13. *Krishna, Sumi*. 1996. *Environmental Politics*. New Delhi: Sage Publications.
14. *Owen, D.F.* 1980. *What is Ecology?* Oxford: Oxford University Press.
15. *Prasad, Archana (ed.)*. 2008. *Environment, Development and Society in Contemporary India: An Introduction*. Delhi: Macmillan India.
16. *Saxena, H.M.* 2006. *Environmental Studies*. New Delhi: Rawat Publications.
17. *Shiva, Vandana*. 1991. *Ecology and Politics of Survival*. New Delhi: Sage Publications.

(Note: Students may also use any standard Hindi Medium book available in Sociology)

Sociology Syllabus
BA- 3rd Year
 Discipline Specific Electives DSE- 2A Option- 2
 Code: SOCL-A 306

Course: Gender and Sexuality

Course Code	Code SOCL-A 306	
Credits-6	L (L=Lecture)	T (T=Tutorial)
	L=5	T=1
Course Type	Discipline Specific Electives	
Lecture to be Delivered	(1 hr. each), (L=75, T=15)	

Examination Marks Distribution

Maximum Marks	Internal Assessment (IA)	Term End Examination (TEE)	Pass Marks		
			IA	TEE	Aggregate
100	30	70	11	25	40

Note: Minimum passing marks will be 40% in aggregate. However, 35% each in Internal Assessment and final examinations will be compulsory

Term End Examination System

Maximum Marks Allotted	Time Allowed
70	3.00 Hrs

Continuous Comprehensive Assessment (CCA) Pattern

Class Test (Marks)	House Test (Marks)	Tutorials/Assignments/General Behavior of Students, etc. (Marks)	Attendance (Marks)	Total Marks
05	10	10	5	30

Note: Class test to be taken by teacher on the completion of 40% syllabus and house test on the completion of 75% syllabus

Course Contents

Course Objective:

This course aims to introduce students to a basic understanding of gender by interrogating the categories of gender, sex and sexuality. The complexity of gender relations in contemporary societies are further explored by looking in the areas of work and family.

Unit	Topics
I	Gendering Sociology: (i) Sociology of Gender; Gender as a Social Construct (ii) Gender and Sex; Gender Roles
II	Gender Differences and Inequalities: (i) Concept of Gender Inequality; Gender based Division of Labour (ii) Gender and Caste; Gender and Class
III	Gender Discrimination: (i) Meaning, Causes and Consequences (ii) Remedial Measures for Removing Gender Discrimination
IV	Gender Equality: (i) Constitutional Provisions for Women; Quest for Gender Equality (ii) Women Empowerment: Meaning, Policies and Programmes for Women Empowerment; Women Movements

Suggested Readings

1. **Aggarwal, Bina.** 1988. 'Who Sows, Who Reaps?: Women and Land Rights in India', *Journal of Peasant Studies*, 15(4): 531-81.
2. **Alter, Joseph.** 1992. *The Wrestler's Body: Identity and Ideology in North India*. California: University of California Press.
3. **Bernard, Jessie.** 2002. 'The Husband's Marriage and the Wife's Marriage', in S. Jackson and S. Scott (eds.): *Gender: A Sociological Reader*. London: Routledge.
4. **Davis, Angela Y.** 1981. *Women, Race and Class*. London: Women's Press.
5. **Dube, Leela.** 1996. 'Caste and Women', in M.N. Srinivas (ed.): *Caste: It's Twentieth Century Avatar*. New Delhi: Penguin.
6. **Kandiyoti, Deniz.** 1991. 'Bargaining with Patriarchy', in Judith Lorber and Susan A. Farrell (eds.): *The Social Construction of Gender*, New Delhi: Sage Publications.
7. **Kumar, Radha.** 1999. 'From Chipko to Sati: The Contemporary Indian Women's Movement', in Nivedita Menon (ed.): *Gender and Politics in India*. New Delhi: Oxford University Press.
8. **Liz Stanley.** 2002. 'Should Sex Really be Gender or Gender Really be Sex' in S. Jackson and S. Scott (eds.): *Gender: A Sociological Reader*. London: Routledge.
9. **Nanda, Serena.** 1999. *Neither Man nor Woman*. Belmont CA: Wadsworth.
10. **Newton, Esther.** 2000. 'Of Yams, Grinders and Gays: The Anthropology of Homosexuality', in Margaret Mead: *Made Me Gay: Personal Essays, Public Ideas*. London: Duke University Press.
11. **Oakley, Ann.** 1972. *Sex, Gender and Society*. London: Temple Smith.
12. **Ortner, Sherry.** 1974. 'Is Male to Female as Nature is to Culture?', in M.Z. Rosaldo and L. Lamphere (eds.): *Women, Culture and Society*. Stanford, California: Stanford University Press.
13. **Papanek, Hanna.** 1979. 'Family Status production: the Work and Non Work of Women', *Signs*, 4(4): 775-81.
14. **Pineda, Javier.** 2001. 'Partners in Women Headed Households: Emerging Masculinities?', in Cecile Jackson (ed.): *Men at Work: Labour, Masculinities Development*. London: Frank Cass.
15. **Rege, Sharmila.** 1998. 'Dalit Women Talk Differently: A Critique of 'Difference' and Towards a Dalit Feminist Standpoint Position.' *Economic and Political Weekly*, 33 (44): 39-48.
16. **S. Jackson and S. Scott (eds.).** 2002. *Gender: A Sociological Reader*. London: Routledge.
17. **Walby, Sylvia.** 2002. 'Gender, Class and Stratification: Towards a New Approach., in S. Jackson and S. Scott (eds.): *Gender: A Sociological reader*. London: Routledge.
18. **West, Candace and Don H. Zimmerman.** 2002. 'Doing Gender', in S. Jackson and S. Scott (eds.): *Gender: A Sociological Reader*. London: Routledge.

(Note: Students may also use any standard Hindi Medium book available in Sociology)