ANANDA CHANDRA COLLEGE, JALPAIGURI

1.3.1 Institution integrates cross-cutting issues relevant to professional ethics, Gender, Human values, Environment and Sustainability in transacting the Curriculum

Programme name	Programme Code	Course Name	Semester
Bengali -M.A.	CC-14	Sahitya Samalochana, Topic : Naribadi Sahityatatya	(M.A.)III
Chemistry –Hons.	SEC-2	Green Methods in Chemistry	Ш
	DSC -12 (DSC- 512)	Development Economics (Chapter -4: Environment and Sustainable Development)	V
Economics-Hons.	DSE 1(DSE- 701)	Economics of Health and Education (Chapter -6: Gender Issues in Human Development)	V
Education –Hons.	EDU-H-DSE-T-1	Value Education	V
	CC-3	Indian Classical Literature and Indian writing in English: Topic: Gender and performance	П
	CC- 9	British Romantic Literature: Topic: Gender and Genre with reference to Mary Shelley's Frankenstein	IV
English –Hons.	CC-10	British Literature: 19th Century,22-04-2024 Topic: Gender ideologies and Gender representations in 19th century literature	IV
	CC-14	Postcolonial Literature: Topic: Gender, Nation and Postcolonial writing	VI
	CC-11	Women's Writing, Topic: Author, authority and the women writer's anxiety, Women's writing and the role and position of women in pre-Independent India	V
	CC-14	Postcolonial Literature: Topic: Environmental Representation and Consciousness in the poetry of Mamang Dai	VI
Environmental Science	AECC-1	Environmental Studies	I
Geography –Program (Gen)	GEOP-DE1L- 505	Sustainable Development	V
	CC-3	Histoty of india II: Social stratification , Gender marriages and property relations	II
History–Hons.	CC-11	History of Modern Europe I: Social classes and emerging gender relations	V
	CC-13	History if India VIII: Debates around Gender	VI
	DSE-3	History of North Bengal-I: Society, Position of women	VI
Microbiology	DSE-7	Microbes in sustainabile agriculture and development	VI
Microbiology –Hons.	Paper-9	Environmental Microbiology	VI
Philosophy –Hons.	CC-14	Applied Ethics	VI
Political Science –Hons.	GE-402	Feminism: Theory and Practice	П
Sociology –Hons.	CC-7	Sociology of Gender	Ш
	CC2	Paper: Ecology, Topic: Wildlife Conservation	1
Zoology–Hons.	GE 1 Paper 1	Aquatic Biology; topic: Management of Aquatic Resources	V
Mass Communication And ournalism	DSC1 Paper 2	Media Ethics and Law	II

তৃতীয় সেমেস্টার BENGALI

BF	N	G	Α	П	

CC- 13	সাহিত্যতত্ত্ব	ক্রেডিট : ২	৫० मध्य
 প্রাচীন ভারতীয় কাব্য ২. আরিস্টটলের কাব্যত ৩. রবীক্রমাথের সাহিত্যক 	in the second se	कुड़)	৪২ নম্বর
यज्ञस्त्रीय भूनाग्रम		৮ নম্বর	

CC- 14	সাহিত্য সমালোচনা ও সমালোচনা সাহিত্য	ক্রেডিট : ২	৫० मध्य
গেখক জীবনী ঐতিহাসিক স পদ্ধতি, ২. <mark>সাহিত্য সমাণে</mark>	াচনার রীতি-পছতি ভিত্তিক সমালোচনা পছতি, তুলনামূলক সমালোচন মালোচনা পছতি, আন্তরবিদ্যক সমালোচনা পছতি, বাচনার কয়েকটি মতবাদ— তা, মার্কসবাদী সাহিত্যতত্ত্ব, <mark>নারীবাদী সাহিত্যতত্ত্</mark> ব, বিজ্ঞান	মনস্তাত্ত্বিক সমালোচনা	৪২ নম্বর
	চনা সাহিত্য দর, মোহিতলাল মজুমদার, সৃধীক্রনাথ দর, বিষ্ণু দে শ্রীকুমার বন্দ্যোপাধায়	, অঞ্জিত দত্ত,	

DSE 3 : যে কোনো একটি বিষয় পড়তে হবে

DSE -3.1	উপন্যাস	ক্রেভিট : ২	৫० मस्त
১. উপন্যাসের তাত্ত্বিক আলোচনা – আখ্যানতত্ত্ব			8২ नम्ब
২, উপন্যাদের দেশজ রীতির	সন্ধানে		1.000
৩, উপন্যাসের ঐতিহাসিক ব	भारनाहरू		
অভ্যন্তরীণ মূল্যায়ন			৮ নম্ব

	X-	8২ नम्ब
ছোটোগল্পের তাত্ত্বিক আলোচনা হ, ছোটোগল্পের নতুন রীতি, অনুগল্প, গল্প আন্দোলন হ, ছোটোগল্পের ঐতিহাসিক আলোচনা		

DSE -3.3	মধ্যযুগের সাহিত্য	ক্রেডিট : ২	৫০ নম্বর
মধ্যযুগের সমাজ সাংস্কৃতিক প্রেকাপট ও ধর্ম-দর্শন অনুবাদ, আখ্যান ও জীবনী কাব্যের ধারা মঙ্গল, পদাবলী ও মৌখিক সাহিতোর ধারা		৪২ নম্বর	
অভ্যন্তরীণ মূল্যায়ন	Walker Market State Control of the C		

DSE -3.4	নাটক	ক্রেডিট : ২	०० नपत
১. নাটকের অন্থিক আলোচনা			৪২ নম্বর



Introduction: Definitions of Green Chemistry. Brief introduction of twelve principles of Green Chemistry, with examples, special emphasis on atom economy, reducing toxicity, green solvents, Green Chemistry and catalysis and alternative sources of energy, Green energy and sustainability

The following Real world Cases in Green Chemistry should be discussed:

- Surfactants for carbon dioxide Replacing smog producing and ozone depleting solvents with CO₂ for precision cleaning and dry cleaning of garments.
- Designing of environmentally safe marine antifoulant.
- · Rightfit pigment: Synthetic azo pigments to replace toxic organic and inorganic pigments.
- An efficient, green synthesis of a compostable and widely applicable plastic (poly lactic acid) made from corn.

Practicals

- Preparation and characterization of biodiesel from vegetable oil.
- Extraction of D-limonene from orange peel using liquid CO₂ prepared from dry ice.
- Mechano chemical solvent free synthesis of azomethine.
- Solvent free, microwave assisted one pot synthesis of phthalocyanine complex of copper(II).

Reference Books:

- Anastas, P.T. & Warner, J.K. Green Chemistry- Theory and Practical, Oxford University Press (1998).
- Matlack, A.S. Introduction to Green Chemistry, Marcel Dekker (2001).
- Cann, M.C. & Connely, M.E. Real-World cases in Green Chemistry, American Chemical Society, Washington (2000).
- Ryan, M.A. & Tinnesand, M. Introduction to Green Chemistry, American Chemical Society, Washington (2002).
- Sharma, R.K.; Sidhwani, I.T. & Chaudhari, M.K. Green Chemistry Experiments: A monograph I.K. International Publishing House Pvt Ltd. New Delhi, Bangalore.
- · Lancaster, M. Green Chemistry: An introductory text RSC publishing, 2nd Edition.
- · Sidhwani, I.T., Saini, G., Chowdhury, S., Garg, D., Malovika, Garg, N. Wealth from

ECONOMICS

Semester-V

Discipline Specific Elective (DSE-I) Course-I

Choose any one from DSE701 to DSE702 of Group-L

Full Marks: 75

Credit: 6 (72 Lectures)

Paper-DSE701 to DSE702

Group-I:

DSE-701: Economics of Health and Education

Chapter-I: Role of Health and Education in Human Development:

Importance of health and education, Health and education outcomes, its importance in poverty alleviation, health and education as joint investments for economic growth and development, Human capital approach.

Chapter-II; Education Sector in India - An Overview:

Role of education, Literacy rate, enrolment ratio, rate of school dropouts, Structure and role of private and public educational institutions, Class and gender gap in education.

Chapter-III: Inequality in Education:

Demand and supply of education, cost of education, education financing, teaching and outcomes, gender inequalities, child labour, education systems and development.

Chapter-IV: Health Sector in India- An Overview:

Basic health indices, maternal mortality, infant mortality rates and their outcomes, Notion and impact of health burden, Private and public health care sectors, Issues on availability and affordability of health care.

Chapter-V: Inequality in Health and Health Care:

Poverty inequality of health in international perspective, burden of diseases, government intervention, role of health care systems, equity in distribution of health care and health care financing.

Chapter-VI: Gender Issues in Human Development:

Gender Gap and gender equity, Issues on class, caste and gender, Cultural, social and economic hierarchies, Gender related empowerment index (GDI), Gender Empowerment

Semester-V

Discipline Specific Core Course (DSC-12)

Development Economics

Full Marks: 75

Credit: 6 (72 Lectures)

Paper-DSC512

Course Outline:

Chapter-I: Conceptions of Development:

Definitions of Economic Development and Economic Growth, Distinguish between Economic Development and Economic Growth, Measurement of Economic Development and Economic Growth, Documenting the international variation in these Measures, Comparing development trajectories across nations and within them. Human Development Indices, Obstacles to Economic Development, Factors of Economic Growth.

Chapter-II: Poverty and Inequality:

Definitions of Poverty, Measures of Poverty, Causes of Poverty, Poverty alleviation Programmes, Growth versus Equality, Estimates of Inequalities of India, Causes of Inequalities in India, Policy measures, Connections between inequality and development, poverty measurement and characteristics of the poor.

Chapter-III: Theories of Economic Development:

The Marxian Theory, Rostow's Stages of Economic Growth, Nelson's Low-Level Equilibrium Trap and Leibenstein's Critical Minimum Effort Thesis, "Big Push" Theory, Balanced and Unbalanced Growth Theories, Dualistic Theories and Lewis Theory of Unlimited Supplies of Labour, Sen's Model of Disguised Unemployment, Rural-Urban Migration.

Chapter-IV: Environment and Sustainable Development:

Defining sustainability for renewable resources, A brief history of environmental change, Common-pool resources; environmental externalities and state regulation of the Environment, Economic activity and climate change.

Readings (CTB = Core Text Book):

- A. P. Thirlwal: Growth and Development, MacMillan Press Ltd., London, 1999. (CTB)
- Abhijit Banerjee, Roland Benabou and Dilip Mookerjee: Understanding Poverty. Oxford University Press, 2006.
- Agarwala and Singh (eds.): The Economics of Underdevelopment, OUP.
- Amartya Sen: Development as Freedom, OUP, 2000.
- Debraj, Ray: Development Economics, Oxford University Press, 2009. (CTB)

SEMESTER-IV		EDUCATION	V	
Course Code	Course Title	Course wise Class (L+T+P)	Credit	Marks
EDU-H-DSC-T-8	Inclusive Education	Core(75L+15T)	6(5L+1T)	75
EDU-H-DSC-T-9	Educational Management and Administration	Core(75L+15T)	6(5L+1T)	75 -
EDU-H-DSC-T- 10	History of Education in Post-Independence India	Core(75L+15T)	6(5L+1T)	75
EDU-H-GE-T-4 (any one to be chosen out of two)	A: Any Discipline other than Education B: Any Discipline other than Education	Generic Elective (75L+15T)	6(5L+1T)	75
EDU-H-SEC-T-2 (Chose any)	B: Community Development B: Lesson Planning	Skill enhancement (30L)	2 (2L)	75
Total	5 courses	Total	26	375
SEMESTER-V Course Code	Course Title	Course wise Class (L+T+P)	Credit	Marks
EDU-H- DSC -T-1	1 Contemporary issues in Education	Core (75L+15T)	6(5L+1T)	75
EDU-H- DSC -T-1	2 Educational Research	Core (75L+15T)	6(5L+1T)	75
EDU-H-DSE-T-1 (Chose any)	A: Value Education OR B: Population Education	Discipline specific (75L+15L)	2x6 (2x5L+2x1L)	75
EDU-H-DSE-T-2 (Chose any)	C: Distance Education OR D: Great Educator	M.SELSTERA		75
Total	4 courses	Total	24	300
SEMESTER-VI				
Course Code	Course Title	Course wise (Class (L+T+P)	Credit Ma	rks

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EDU-H-DSC-T-13	Curriculum Studies	Core (75L+15T)	6(5L+1T)	7
EDU-H- DSC -T-14	Educational Technology	Core (75L+15T)	6(5L+1T)	
EDU-H-DSE-T-3 (Chose any One)	A: Mental hygiene OR B: Comparative Education	Discipline	2x6	75

B.A. Education (Honours)
SEMESTER-V
EDU-H-DSE-T-1/2(A): Value Education

Discipline Specific Elective Course; Credit-6.(75 Lectures), Full Marks-75 Course objectives:

After end of this course learner will able to-

- Explain the meaning, nature, classify value and its reflection in Indian Constitution.
- Discuss the meaning, objectives and need of value Education
- Describe the role of value education through Curriculum, Co-curricular activities.
- Explain the meaning, advantages and disadvantage of Storytelling, Play-way method and Role plays.

UNIT-I: Meaning and nature of Value

- a) Value: Meaning and Nature
- Values enshrined in Indian constitution, Need for value education in India
- c) Classification of values
- d) Inculcation of National Value: Democracy, Socialism and Secularism.

UNIT-II: Value Education

- a) Value Education: concept and objective.
- b) Psychological basis of Value Education.
- c) Classification of value education(Social, Moral and Aesthetic)
- d) Values and Human Rights Education

UNIT-III: Value Education in School

a) Value Education through Curriculum and Co-Curricular Activities.

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- b) Role of teachers to facilitate development of values among the learners
- c) Factors affecting value preferences, culturally induced values, value systems

UNIT-IV: Strategies of value education

- a) Story telling, Play-way Method, Role plays.
- b) Value clarifying model, Tools of value inculcation.

Suggested Books:

- Diwahar, R. R., & Aggarwal, M. (Ed). (1984). Peace education. New Delhi: Gandhi Marg.
- Fountain, S. (1999) Peace Education in UNICEF, Working Paper, Education Section, Programme Division, UNICEF, New
- Aggarwal, J.C. (2010). Education for Values, Environment and Human Rights. New Delhi: Shipra Publications
- Chadha, S. C. (2008). Education value & value education. Meerut: R.Lall Books Depot
- Chakraborty, Mohit (2003); Value Education: Changing Perspectives. New Delhi: Kanishka Publishers. Gupta, N.L. (2000). Human Values in Education. New Delhi: Concept Publishing Company.
- Mahakud, L. &Behera, S.K. (2013) (Edit.) Value Education: Dimensions and Approaches, S.B. Enterprise, Kolkata.
- Passi, B. K., & Singh, P. (1999). Value education. Agra: Agra Psychological Corporation.
- Ruhela, S.P. (ed.) (1986). Human Values and Education. New Delhi: Sterling Publishers Pvt. Ltd.
- 9) Singh, Y. K. (2009). Value education. New Delhi: APH Publishing Corporation.
- 10) Sharma, Y.K. and Katoch, K.S. (2007) Education for Values, Environment and Human Rights, New Delhi: Deep & Deep Publications Pvt. Ltd.
- 11) Sharma, R. A. (2008). Human value of education. Meerut: R.Lall Books Depot.

ENGLISH

 Sudraka, Mrcchokatika, Trans, By M. M. Ramachandra Kale. New Delhi: Mottlal Banarasidas, 1962.

UNIT II:

- 1. R.K. Narayan: Swami and Friends
- 2. Anita Desai: In Custody
- One question to be answered from four questions asked serially from the four poets in Unit 3. [10x1=10]
- One question to be answered from four questions asked serially from the four texts in Unit 4. [10x1=10]
- Two short questions to be answered from eight questions asked serially and covering all the texts in Units 3 and 4 combined. [5x2=10]

UNIT III:

- 1. Henry Louis Vivian Derozio: "Freedom to the Slave", "The Orphan Girl"
- Kamala Das: "An Introduction", "My Grandmother's House"
- 3. Nissim Ezekiel: "The Night of the Scorpion", "Enterprise"
- 4. Jayanta Mahapatra: "Dawn at Puri", "Hunger"

UNIT IV:

- 1. Mulk Raj Anand: "Two Lady Rams"
- 2. Salman Rushdie: "The Free Radio"
- Rohinton Mistry: "Swimming Lesson"
- 4. Shashi Deshpande: "The Intrusion"

Suggested Topics and Background Prese Readings for Class Presentation:

- The Indian Epic Tradition: Themes and Conventions
- Classical Indian Drama: Theory and Practice
- Alankara and Rasa
- Themes and Contexts of the Indian English Novel
- The Aesthetics of Indian English Poetry
- Modernism in Indian English Literature

Readings:

 Bharata. Natyashastra. 2nd ed. Vol. I. Trans. by Manomohan Ghosh. Calcutta: Granthalaya, 1967. Chap. 6: Sentiments. pp. 100–18.

Core Course 9

British Romantic Literature

- Four questions to be answered from ten questions asked serially and covering all the poets from Units 1, 2 and 3 combined. [10x4-40]
- Two short questions to be answered from six questions asked serially and covering all the poets from Units 1, 2 and 3 combined. [5x2=10]

Unit I:

William Blake: Introduction to the Songs of Innocence — "The Lamb", "The Chinney Sweeper"; Songs of Experience — "Tyger", "The Chinney Sweeper"

Unit II:

- 1. William Wordsworth: "Timms Abbey", "Ode on the Intimations of Immortality"
- Samuel Taylor Coloridge: "Kubla Khan", "Dejection: An Ode"

Unit HE:

- Lord George Gordon Noel Byron: "Childe Harold", Canto III, verses 36-45 (Linex-316 to 405); —On the Castle of Chillon
- Percy Bysshe Shelley: "Ode to the West Wind"; "Orymundias"; "Hymn to Intellectual Beauty"
- John Keate: "Ode to a Nightingale", "Ode to Autuma"; "On First Looking into Chapman's Homer"

Unit IV:

One question to be answered from two questions asked serially. [30x1=10]

Mary Shelley: Frankenotein

Suggested Topics and Background Prose Readings for Class Presentation:

- Literature and French Revolution
- Conception of Nature
- Reason and Romantic Imagination
- · The Gothic

Readings:

- Wordoworth, William. "Preface to Lyrical Ballads." Romantic Printe and Poetry. Ed. by Harold Bloom and Lionel Trilling. New York: OCP, 1973. pp. 594-611.
- Kents, John. "Letter to George and Thomas Kents, 21 December 1817", and "Letter to Richard Woodhouse, 27 October, 1818." Remainic Prise and Poetry. Ed. Hamid Bloom and Lionel Trilling. New York: OUP, 1973, pp.766-68, 777-8.
- Rousseau, Jean-Jacques. Preface to Entile or Education. Teams. By Allan Bloom. Harmondoworth: Penguin, 1991.
- Coloridge, Samuel Taylor. Biographia Literaria. Ed. George Waison. London. Everyman, 1993. Chap. XIII, pp. 161-66.

Core Course 10

British Literature: 19th Century

- Two questions to be answered from three questions set with alternatives from the three texts in Unit 1. [10x2=20]
- Two questions to be answered from three questions set with alternatives from the three poets in Unit 2. [10x2=20]
- Four short questions to be answered from ten questions asked serially and covering all the texts from Units 1 and 2 combined. [5x4=20]

Jnit I:

Jane Austen: Pride and Prejudice
 Charlotte Bronte: Jane Eyre

3. Charles Dickens: A Tale of Two Cities

Jnit II:

- Alfred Tennyson: "The Lady of Shalott", "Ulysses"
- 2. Robert Browning: "My Last Duchess", "The Last Ride Together"
- 3. Christina Rossetti: "The Goblin Market"

Suggested Topics and Background Prose Readings for Class Presentation:

- Utilitarianism
- The 19th Century Novel
- Marriage and Sexuality
- The Writer and Society
- Faith and Doubt
- The Dramatic Monologue

Readings:

- Karl Marx and Friedrich Engels. "Mode of Production: The Basis of Social Life, The Social Nature of Consciousness, and Classes and Ideology." A Reader in Marxist Philosophy. Ed. Howard Selsam and Harry Martel. New York: International Publishers, 1963. pp. 186-8, 190-1, 199-201.
- Darwin, Charles. "Natural Selection and Sexual Selection." The Descent of Man in The Norton Anthology of English Literature 8th Edn, Vol. 2. Ed. Stephen Greenblatt. New York: Norton, 2006. pp. 1545-9.
- Mill, John Stuart. "The Subjection of Women." Norton Anthology of English Literature 8th Edn., Vol. 2. Ed. by Stephen Greenblatt. New York: Norton, 2006. Chap.1, pp. 1061-9.

- 2. Sylvia Plath: "Daddy", "Lady Lazarus"
- 3. Eunice De Souza: "Advice to Women"; "Bequest"

Unit II:

Alice Walker: The Color Purple

Unit III:

- One question to be answered from three questions set with alternatives from the three texts. [10x1=10]
- Charlotte Perkins Gilman: "The Yellow Wallpaper"
- 2. Katherine Mansfield: "Bliss"
- Mahasweta Devi: "Draupadi", tr. Gayatri Chakravorty Spivak (Calcutta: Seagull, 2002)

Unit IV:

- One question to be answered from three questions set with alternatives from the three texts. [10x1=10]
- Mary Wollstonecraft: A Vindication of the Rights of Woman (New York: Norton, 1988) Chap. 1, pp. 11-19; Chap. 2, pp. 19-38
- Ramabai Ranade: 'A Testimony of our Inexhaustible Treasures' in Pandita Ramabai Through her Own Words: Selected Works, tr. Meera Kosambi (New Delhi: OUP,2000) pp.295-324
- Rasasundari Debi: Excerpts from Amar Jibon in Women's Writing in India, Vol. 1, eds. Susic Tharu and K. Lalita (New Delhi: OUP, 1989), pp:192-202

Suggested Topics and Background Prose Readings for Class Presentation:

- The confessional mode in women's writing
- Sexual Politics
- · Age, Caste and Gender
- Social Reform and Women's Rights

Readings:

- Woolf, Virginia. A Room of One's Own. New York: Harcourt, 1957. Chaps. 1 and 6.
- de Beauvoir, Simone. Introduction. The Second Sex. Trans. by Constance Borde and Shiela Malovany-Chevallier. London: Vintage, 2010. pp. 3-18.

Core Course 14

Postcolonial Literatures

- One question to be answered from two questions set with alternatives from the two texts in unit 1. [10x1=10]
- One question to be answered from three questions set with alternatives from the three texts in unit 2. [10x1=10]
- Two short questions to be answered from six questions asked serially and covering all the writers from Units 1 and 2 combined. [5x2=10]

Unit I:

- 1. Chinua Achebe: Things Fall Apart
- 2. Gabriel Garcia Marquez: Chronicle of a Death Foretold

Unit II:

- 1. Bessie Head: "The Collector of Treasures"
- Ama Ata Aidoo: "The Girl who can"
- 3. Grace Emily Ogot: "The Green Leaves"

Unit III:

- Two questions to be answered from four questions set with alternatives from the four poets. [10x2=20]
- Two short questions to be answered from six questions asked serially and covering all the poets. [5x2=10]
- Pablo Neruda: "Tonight I can Write", "The Way Spain was"
- Derek Walcott: "A Far Cry from Africa"; "Names"

- David Malouf: "Revolving Days", "Wild Lemons"
- 4. Mamang Dai: "Small Towns and the River"; "The Voice of the Mountain"

Suggested Topics and Background Prose Readings for Class Presentation:

- Decolonization, Globalization and Literature
- Literature and Identity Politics
- Writing for the New World Audience
- Region, Race and Gender
- Postcolonial Literature and Questions of Form

Syllabus for Environmental Studies (AECC-1) under CBCS

B.Sc, BA, B.Com., BBA/BCA Honours Program and Program

ENVS (AECC-1) Course- 1 (Credit -2)

Theory (credit – 1.6)

2018

Unit 1: Introduction to environmental studies

- Multidisciplinary nature of environmental studies
- Scope and importance; Concept of sustainability and sustainable development.

1 lecture

Full Marks: 80

Unit 2: Ecosystems

• What is an ecosystem?

Structure and function of ecosystem;

Energy flow in an ecosystem: food chains, food webs and ecological succession.

Case studies of the following ecosystems:

- a) Forest ecosystem
- b) Grassland ecosystem
- c) Desert ecosystem
- d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

4 lectures

Unit 3: Natural Resources: Renewable and Non – renewable Resources

- Land resources and land-use change; Land degradation, soil erosion and desertification.
- Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.
- Water: Use and over exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state), Dams benefits and problems.
- Food resources: World food problems, changes caused by agriculture and over-grazing, effects of modern agriculture, fertilizer-pesticide problems, waterlogging, salinity.
- Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies

4 lectures

Unit 4: Biodiversity and Conservation

- Levels of biological diversity: genetic, species and ecosystem diversity; Bio-geographic zones of India; Biodiversity patterns and global biodiversity hotspots.
- 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 situandEx situconservation of biodiversity.
- Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

Unit 5: Environmental Pollution

- Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution
- Nuclear hazards and human health risks
- Solid waste management: Control measures of urban and industrial waste.
- Pollution case studies

4 lectures

Unit 6: Environmental Policies & Practices

- 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.

3 lectures

Unit7: Human Communities and the Environment

- 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.
- Water conservation, rain water harvesting, watershed management.
- Wasteland reclamation.
- 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 (e.g., CNG vehicles in Delhi).

4 lectures



(Students will choose either Disaster Management or Sustainable Management)

COURSECODE: GEOP-DE1L-505 DISASTER MANAGEMENT

Credits: 04

- Disasters: definition and concepts: hazards, disasters; risk and vulnerability; classification;
- Disasters in India: (a) flood: causes, impact, distribution and mapping; landslide: causes, impact, distribution and mapping; drought: causes, impact, distribution and mapping;
- 3. Disasters in India: (b) earthquake and tsunami: causes, impact, distribution and mapping; cyclone: causes, impact, distribution and mapping;
- Response and mitigation to disasters: mitigation and preparedness, NDMA and NIDM; Indigenous Knowledge and Community-Based Disaster Management.

PRACTICAL Credits: 02

Project report based on any one field based case study among the following disasters:

- a) Flood
- b) Landslide
- c) Human induced disaster: fire and industrial accidents

Practical Record

- 1. Students will prepare a report based on primary and secondary data collected during fieldwork.
- 2. The word count of the report should be 5000 to 6000 words, excluding figures, tables, photographs, maps, references and appendices.
- 3. One typed copy of the report on A4 size paper should be submitted in soft/hard binding.

Reading List

- Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
- Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.
- 3. Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
- 4. Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi. Chapter 1, 2 and 3 Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
- Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.
- 6. Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications.
- 7. Singh Jagbir (2007) —Disaster Management Future Challenges and Opportunities, 2007. Publisher- I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphuar Cinema Market, New Delhi, India (www.ikbooks.com).

SUSTAINABLE DEVELOPMENT

- 1. Sustainable Development: definition, components, limitations and historical background;
- 2. The Millennium Development Goals: national strategies and international experiences;
- 3. Inclusive Development: education, health; climate change: the role of higher education in sustainable development; poverty and disease; the challenges of universal health coverage; policies and global cooperation for climate change;
- 4. Sustainable Development policies and programmes: The proposal for SDGs at Rio⁺20; Illustrative SDGs; goal-based development; financing for sustainable development; principles of good governance; National Environmental Policy, CDM.

PRACTICAL Credits: 02

Project report based on any one field-based case study among the following:

- a) Health issues in any local village
 - b) Education status in any local village

Practical Record

- 1. Students will prepare a report based on primary and secondary data collected during fieldwork.
- 2. The word count of the report should be about 5000 to 6000 words, excluding figures, tables, photographs, maps, references and appendices.
- 3. One typed copy of the report on A4 size paper should be submitted in soft binding

Reading List

- 1. Agyeman, Julian, Robert D. Bullard and Bob Evans (Eds.) (2003) Just Sustainability: Development in an Unequal World. London: Earth scan. (Introduction and conclusion.).
- 2. Ayers, Jessica and David Dodman (2010) —Climate change adaptation and development I:the state of the debatel. Progress in Development Studies 10 (2):161-168.
- 3. Baker, Susan (2006) Sustainable Development. Milton Park, Abingdon, Oxon; New York, N.Y.: Routledge. (Chapter 2, —The concept of sustainable development)
- 4. Brosius, Peter (1997) —Endangered forest, endangered people: Environmentalist representations of indigenous knowledgel, Human Ecology 25:47-69.
- 5. Lohman, Larry (2003) —Re-imagining the population debatel. Corner House Briefing 28.
- 6. Martinez-Alier, Joan et al (2010) —Sustainable de-growth: Mapping the context, criticisms and future prospects of an emergent paradigml Ecological Economics 69:1741-1747.
- Merchant, Carolyn (Ed.) (1994) Ecology. Atlantic Highlands, N.J. Humanities Press. (Introduction, pp125.)
- 8. Osorio, Leonardo et al (2005) —Debates on sustainable development: towards a holistic view of realityl. Environment, Development and Sustainability 7:501-518.
- 9. Robbins, Paul (2004) Political Ecology: A Critical Introduction. Blackwell Publishing.
- 10. Singh, R.B. (Eds.) (2001) Urban Sustainability in the Context of Global Change, Science Pub., Inc., Enfield (NH), USA and Oxford & IBH Pub., New Delhi.

HISTORY

Semester -II (Honours), CC-Paper III

PAPER III: HISTORY OF INDIA II

- I. Economy and Society (circa 300 BCE to circa CE 300):
- [a] Expansion of agrarian economy: production relations.
- [b] Urban growth: north India, central India and the Deccan; craft Production: trade and trade routes; coinage.
- [c] Social stratification: class, Varna, jati, untouchability; gender, marriage and property relations
- II. Changing political formations (circa 300 BCE to circa CE 300):
- [a] The Mauryan Empire
- [b] Post-Mauryan Polities with special reference to the Kushanas and the Satavahanas; Gana Sanghas.
- III. Towards early medieval India [circa CE fourth century to CE 750]:
- [a] Agrarian expansion: land grants, changing production relations; graded Land rights and peasantry.
- [b] The problem of urban decline: patterns of trade, currency, and urban Settlements.
- [c] Varna, proliferation of jatis: changing norms of marriage and property.
- [d] The nature of polities: the Gupta empire and its contemporaries: post- Gupta polities -Pallavas, Chalukyas, and Vardhanas,
- IV. Religion, philosophy and society (circa 300 BCE- CE 750):
- (a) Consolidation of the brahmanical tradition: dharma, Varnashram, Purusharthas, samskaras.
- (b) Theistic cults (from circa second century BC): Mahayana; the Puranic tradition
- (c) The beginnings of Tantricism
- V. Cultural developments (circa 300 BCE CE 750):
- [a] A brief survey of Sanskrit, Pali, Prakrit and Tamil literature. Scientific and technical treatises
- [b] Art and architecture & forms and patronage; Mauryan, post-Mauryan, Gupta, post-Gupta

Semester V (Honours), CC Paper-XI

PAPER XI: HISTORY OF MODERN EUROPE- I (C. 1780-1939)

- I. The French Revolution and its European repercussions:
- [a] Crisis of Ancient Regime.
- [b] Intellectual currents.
- [c] Social classes and emerging gender relations.
- [d] Phases of the French Revolution 1789 99.
- [e] Art and Culture of French Revolution.
- [1] Napoleonic consolidation reform and empire.
- II. Restoration and Revolution: c. 1815 1848:
- [a] Forces of conservatism & restoration of old hierarchies.
- [b] Social, Political and intellectual currents.
- [c] Revolutionary and Radical movements, 1830 1848.
- III Capitalist Industrialization and Social and Economic Transformation (Late 18th century to AD 1914)
- [a] Process of capitalist development in industry and agriculture: case Studies of Britain, France, the German States and Russia.
- [b] Evolution and Differentiation of social classes: Bourgeoisie, Proletariat, land owning classes and peasantry.
- [e] Changing trends in demography and urban patterns.
- [d] Family, gender and process of industrialization.
- IV. Varieties of Nationalism and the Remaking of States in the 19th and 20th Centuries.
- [a] Intellectual currents, popular movements and the formation of National identities in Germany, Italy, Ireland and the Balkans.
- [b] Specificities of economic development, political and administrative Reorganization - Italy; Germany.

PAPER XIII: HISTORY OF INDIA VIII (c. 1857 - 1950)

- 1. Cultures changes and Social and Religious Reform Movements:
- [a] The advent of printing and its implications.
- [b] Reform and Revival: Brahmo Samaj, Prarthna Samaj, and Ramakrishna and Vivekananda, Arya Samaj, Wahabi, Deoband, Aligarh and Singh Sabha Movements.
- [c] Debates around gender.
- [d] Making of religious and linguistic identities.
- [e] Caste: sanskritising and anti Brahminical trends.
- 11. Nationalism: Trends up to 1919:
- [a] Political ideology and organizations, formation of INC.
- [b] Moderates and extremists.
- [c] Swedish movement.
- [d] Revolutionaries .
- III. Gandhian nationalism after 1919: Ideas and Movements:
- [a] Mahatma Gandhi: his Perspectives and Methods.
- [b] (i) Impact of the First World War;
- (ii) Rowlett Satyagraha and Jallianwala Bagh;
- (iii) Non- Cooperative and Civil Disobedience;
- (iv) Provincial Autonomy, Quit India and INA.
- [c] Left wing movements.
- [d] Princely India: States people movements.
- [e] Nationalism and Culture: literature and art.
- IV. Nationalism and Social Groups: Interfaces:
- [a] Landlords, Professionals and Middle Classes.
- [b] Peasants.
- [c] Tribal.
- [d] Labour.
- [e] Dalits.

PAPER: VI HISTORY OF NORTH BENGAL - I

Physical and Historical Geography:

Physical Aspects, North Bengal in Holy Writ, the Historic Period. Counta, Physical Aspects, North Bengal in Holy Writ, the Historic Period. Counta, Physical Aspects, North Bengal in Ancient Morth Bengal and Varendri, Pundravardhana-Bhukti, Cities in Ancient Morth Bengal and A.D.

The Legendary Period, Early History from 326 B.C. to 320 A.D.

Rise of Gauda (320-650 A.D.): North Bengal under the Imperial Couptus, Bias in Gauda - Sasanka.

Political Disintegration after Sasanka: Kingdom of Gauda.

The Palas: Origin and Early History of the Palas, The Pala Empire, Disintegration and Temporary Revival, The End of the Pala Empire, The Sense.

Religion: Religious Thought and Practice - Brahmanical, Jainism and Buddhisa Iconography: Vaisnava, Saiva, Sakti, Surya, Miscellaneous, Jaina and Buddhis images.

Architecture and Sculpture: Stupa, Monastic and temple Architecture.

Sculpture: Introduction, Kushana Affiliation, The Ciupta Idiom, Paharpur, Pala a Sena Sculpture.

Society Ethnological Background, Aryanisation of North Bengal, Society Religie rites, ceremonies and Festivals, General life of the People, Postton of Women Food and Drink, Press and C

Women Food and Drink, Dress and Ornaments, Ciames and Pastimes, Musical Dance, Conveyances, Luxury and immortality.

Hyas Shahi Dynasty, Dinajpur Raj; Raja Ganesha, Hindu Kings of Bengal, Hee Shahi Dynasty, Gour-Pandua and Adina, The Mughals in north Bengal Khen Dyansty, Kamata-Koch Dynasty up to 1773.

SUGGESTED READINGS:

R. C., Majumder (Ed.). The Delhi Sultanate, Bharatiya Bulya Bhayan, J.N. Sarkar, History of Bengal, Dassa, 1943.
Ray, Niharranjan, Bangalir Juhas, Adiparya.

MICROBIOLOGY

DSE Paper -7: MICROBES IN SUSTAINABLE AGRICULTURE AND DEVELOPMENT (THEORY)

SEMESTER -VI

TOTAL HOURS: 60

CREDITS: 4

Unit 1 Soil Microbiology

No of Hours: 8

Soil as Microbial Habitat, Soil profile and properties, Soil formation, Diversity and distribution of microorganisms in soil

Unit 2 Mineralization of Organic & Inorganic Matter in Soil

No of Hours: 8

Mineralization of cellulose, hemicelluloses, lignocelluloses, lignin and humus, phosphate, nitrate, silica, potassium

Unit 3 Microbial Activity in Soil and Green House Gases

No of Hours: 5

Carbon dioxide, methane, nitrous oxide, nitric oxide - production and control

Unit 4 Microbial Control of Soil Borne Plant Pathogens

No of Hours: 8

Biocontrol mechanisms and ways, Microorganisms used as biocontrol agents against Microbial plant

UNIVERSITY OF NORTH BENGAL

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B.Sc. (HONOURS) MICROBIOLOGY (CBCS STRUCTURE)

pathogens, Insects, Weeds

Unit 5 Biofertilization, Phytostimulation, Bioinsecticides

No of Hours: 15

Plant growth promoting bateria, biofertilizers - symbiotic (Bradyrhizobium, Rhizobium, Frankia), Non Symbiotic (Azospirillum, Azotobacter, Mycorrhizae, MHBs, Phosphate solubilizers, algae),

Novel combination of microbes as biofertilizers, PGPRs

Unit 6 Secondary Agriculture Biotechnology

No of Hours: 10

Biotech feed, Silage, Biomanure, biogas, biofuels - advantages and processing parameters

No of Hours: 6

Unit 7 GM crops
Advantages, social and environmental aspects, Bt crops, golden rice, transgenic animals.

DSE Paper-7.1: MICROBES IN SUSTAINABLE AGRICULTURE AND DEVELOPMENT (PRACTICAL)

8. Maloy SR, Cronan JE and Friefelder D(2004) Microbial Genetics 2nd EDITION., Jones and Barlett Publishers

Paper -9: ENVIRONMENTAL MICROBIOLOGY (THEORY) SEMESTER -IV CREDITS: 4

TOTAL HOURS: 60

Unit 1 Microorganisms and their Habitats No. of Hours: 14

Structure and function of ecosystems Terrestrial Environment: Soil profile and soil microflora Aquatic Environment: Microflora of fresh water and marine habitats Atmosphere: Aeromicroflora and dispersal of microbes Animal Environment: Microbes in/on human body (Microbiomics) & animal (ruminants) body. Extreme Habitats: Extremophiles: Microbes thriving at high & low temperatures, pH, high hydrostatic & osmotic pressures, salinity, & low nutrient levels.

Unit 2 Microbial Interactions

Microbe interactions: Mutualism, synergism, commensalism, competition, amensalism, parasitism, Predation Microbe-Plant interaction: Symbiotic and non symbiotic interactions Microbe animal interaction: Microbes in ruminants, nematophagus fungi and symbiotic luminescent

Unit 3 Biogeochemical Cycling

No. of Hours: 12

Carbon cycle: Microbial degradation of cellulose, hemicelluloses, lignin and chitin Nitrogen cycle: Nitrogen fixation, ammonification, nitrification, denitrification and nitrate reduction Phosphorus cycle: Phosphate immobilization and solubilisation Sulphur cycle: Microbes involved in sulphur cycle

Unit 4 Waste Management

No. of Hours: 12

Solid Waste management: Sources and types of solid waste, Methods of solid waste disposal (composting and sanitary landfill)

Liquid waste management: Composition and strength of sewage (BOD and COD), Primary, secondary (oxidation ponds, trickling filter, activated sludge process and septic tank) and tertiary sewage treatment

Unit 5 Microbial Bioremediation

Principles and degradation of common pesticides, organic (hydrocarbons, oil spills) and inroganic (metals) matter, biosurfactants

Treatment and safety of drinking (potable) water, methods to detect potability of water samples: (a) standard qualitative procedure: presumptive test/MPN test, confirmed and completed tests for faecalcoliforms (b) Membrane filter technique and (c) Presence/absence tests

CHOICE BASED CREDIT SYSTEM

DEPARTMENT OF PHILOSOPHY

B.A. (HONS.) (CORE COURSE)

C 14 APPLIED ETHICS

UNIT I

- 1. Introduction to Applied Ethics
- 2. Environmental Ethics Ecology, man nature relationship, the environment and the human community, future generation.

UNIT II

- 1. Medical Ethics Euthanasia, Suicide, Abortion, Principles of Medical Ethics, Informed Consent, Confidentiality.
- 2. Human Rights, Discrimination on the basis of sex, race, caste, religion.

UNIT-III

- 1. Feminism Introduction, historical background, nature of feminist movement.
- 2. Media Ethics

Recommended Readings:

- Practical Ethics, Peter Singer
- A Companion to Ethics, Peter Singer
- Applied Ethics, Peter Singer, edt.
- The Blackwell Companion to Philosophy, Nicolas Bunnin & E.P.Tsui James
- Patient-Physician Relationship Edited by Ratna Dutta Sharma and Shashinungla, Decent Books, New Delhi, 2007
- Quagmires and Quandaries: Exploring Journalism Ethics, Ian Richards
- Journalistic Ethics: Moral Responsibility in the media, Dale Jacquette
- Byaboharik Nitidorshon, Benulal Dhar
- Byaboharik o Tattvik Nitividya, Samarendrenath Bhattacharjee
- Kathay o Karme Ethics, Somnath Chakraborty
 Bharatiya Nitividya (4th edn.), Dipak Kumar Bagchi

POLITICAL SCIENCE

COURSE GE 402

FEMINISM: THEORY AND PRACTICE

- Approaches to understanding Patriarchy
- (a) Feminist theorising of the sex/gender distinction. Biologism versus social constructivism
- (b) Understanding Patriarchy and Feminism
- (c) Liberal, Socialist, Marxist, Radical feminism, New Feminist Schools/Traditions
- History of Feminism
- (a) Origins of Feminism in the West: France, Britain and United States of America
 - (b) Feminism in the Socialist Countries: China, Cuba and erstwhile USSR
- Feminist issues and women's participation in anti-colonial and national liberation movements with special focus on India
- The Indian Experience
- (a) Traditional Historiography and Feminist critiques. Social Reforms Movement and position of women in India. History of Women's struggle in India
- (b) Family in contemporary India patrilineal and matrilineal practices. Gender Relations in the Family, Patterns of Consumption: Intra Household Divisions, entitlements and bargaining, Property Rights
 - care), Underpaid and Paid work, Methods of computing women's work, Female headed (c) Understanding Woman's Work and Labour - Sexual Division of Labour, Productive and Reproductive labour, Visible - invisible work - Unpaid (reproductive and Households

SOCIOLOGY HONOURS UNDER CBCS UNIVERSITY OF NORTH BENGAL

CORE COURSE- 07 SOCIOLOGY OF GENDER

Full Marks: 75 [Credits: 6]

[Lecture: 75]

[Tutorial: 15]

Course Objectives:

This course introduces gender as a critical sociological lens of enquiry in relation to various social fields It also interrogates the categories of gender, sex, sexuality, gender role, inequalities, theories of feminism and initiatives taken for development.

Course Content:

UNIT -1: Gender as Social Construct:

- Sex and Gender
- Gender Stereotyping, and Socialization
- Production: Masculinity and Feminity.

UNIT-2: Gender Differences and Inequalities:

- Gender Stratification and Inequality
- Class, Caste, Family and Work

UNIT-3: Gender, Power and Resistance:

- Patriarchy
- Power and subordination
- Resistance and Feminist Movement

UNIT-4: Theories of Feminism:

- Origin and Growth of Feminists Theories
- Liberal, Radical, Socialists, Marxists, and Eco Feminism

UNIT-5: Empowerment of Women:

- Perspectives and Dimensions
- World Conference of Women
- Empowerment of Women Legislative Measures.

References

- S. Jackson and S. Scott (eds.) 2002 Gender: A Sociological Reader, London: Routledge. Introduction, (pp. 1-26).
- Liz Stanley. 2002. "Should Sex Really be Gender or Gender Reallybe Sex" in S. Jackson and S. Scott (eds.) Gender: A Sociological Reader, London: Rutledge (pp. 31-41)
- Strathern, Marilyn. 1987. "An Awkward Relationship: The Case of Feminism and Anthropology." Signs 12(2):276-292.
- Sherry Ortner. 1974. "Is male to female as nature is to culture?" M.Z. Rosaldo and L. Lamphere (eds.) Women, culture and society. Stanford: Stanford University Press (pp.67-87).
- Rubin, Gayle. 1984. "Thinking Sex: Notes for a Radical Theory of the Politics of Sexuality" in Carole Vance, ed., *Pleasure and anger*. London: Routledge (pp 143-179).
- 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 (pp 229-237).

3. CC2 -Ecology (THEORY)

	<i>c</i> 11
4 Credits	Class
Unit 1: Introduction to Ecology	4
History of ecology, Autecology and synecology, Levels of organization, Laws of limiting factors, Study of Physical factors (light and temperature), The Biosphere - Introduction.	
Unit 2: Population	20
Unitary and Modular populations Unique and group attributes of population: Demographic factors, life tables, fecundity tables (Definitions), survivorship curves, dispersal and dispersion. Exponential and logistic growth, equation and patterns, r and k strategies Population regulation - density-dependent and independent factors Population Interactions, Gause's Principle with laboratory and field examples, Lotka-Volterra equation for competition.	
Unit 3: Community	11
Community characteristics: species diversity, abundance, , dominance, richness, Vertical stratification, Ecotone and edge effect. Ecological succession with one example	
Unit 4: Ecosystem	10
Types of ecosystem with an example in detail, Food chain; Detritus and grazing food chains, Linear and Y-shaped food chains, Food web, Energy flow through the ecosystem, Ecological pyramids and Ecological efficiencies Nutrient and biogeochemical cycle with an example of Nitrogen cycle Human modified ecosystem	
Unit 5: Applied Ecology	5
Wildlife Conservation (in-situ and ex-situ conservation).	
Management strategies for tiger conservation; Wild life protection act (1972)	

9. GE 1 PAPER 1 (Group-C)-Aquatic Biology (THEORY)

	4 Credits	Class
Unit	1: Aquatic Biomes	10
	introduction to the aquatic biomes: Freshwater ecosystem (lakes, wetlands, streams and rivers), ies, intertidal zones, oceanic pelagic zone, marine benthic zone and coral reefs.	
Unit	2: Freshwater Biology	20
stratif gases	: Lake as an Ecosystem, Physico-chemical Characteristics: Light, Temperature, Thermal ication, Dissolved Solids, Carbonate, Bicarbonates, Phosphates and Nitrates, Turbidity, dissolved (Oxygen, Carbon dioxide). Nutrient Cycles in Lakes (Nitrogen, Sulphur and Phosphorous). ns: Physico-chemical environment, Adaptation of hill-stream fishes.	
Unit	3: Marine Biology	10
Salini reefs	ty and density of Sea water, Continental shelf, Adaptations of deep sea organisms, Coral	
Unit	4: Management of Aquatic Resources	10
	s of pollution: Agricultural, Industrial, Sewage, Thermal and Oil spills, Eutrophication, gement and conservation (legislations), Sewage treatment Water quality assessment- BOD and	
Refe	rence Books	
٠	Anathakrishnan : Bioresources Ecology 3rd Edition	
٠	Goldman : Limnology, 2nd Edition	
•	Odum and Barrett: Fundamentals of Ecology, 5th Edition	
•	Pawlowski: Physicochemical Methods for Water and Wastewater Treatment, 1st Edition	
-	Wetzel : Limnology, 3rd edition	
•	Trivedi and Goyal: Chemical and biological methods for water pollution studies	
	Welch : Limnology Vols. I-II	

- Carole Flemming and Emma Hemmingway. An Introduction to Journalism; Vistaar Publications, 2006.
- Richard Keeble. The Newspaper's Handbook; Routledge Publication, 2006.

MASS COMMUNICATION AND JOURNALISM

SEMESTER II

DSC1 Paper 2 Media Ethics and Law

Course contents:

Unit-I Ethical Framework and Media practice

Freedom of expression (Article 19(1)(a) and Article 19(1)2)

Freedom of expression and defamation- Libel and slander

Issues of privacy and Surveillance in Society

Right to Information

Idea of Fair Trial/Trial by Media

Parliamentary Privilege

Contempt of Court

Intellectual Property Rights

Media ethics and cultural dependence

Student Presentations-

Photocopied material for Study Packs in India; Aaron Swartz.

Attack on Freedom of artists and authors

Unit 2 Media Technology and Ethical Parameters

Live reporting and ethics

Legality and Ethicality of Sting Operations, Phone Tapping etc

Ethical issues in Social media (IT Act 2000, Sec 66 A and the verdict of The

supreme court) Discussion of Important cases-eg- Operation Westend

Some Related laws- Relevant sections of Broadcast Bill, NBA guidelines

Student Presentations-

Tehelka's Westend.

School Teacher Uma Khurana case

Unit 3- Representation and ethics

Advertisement and Women Pornography

Related Laws and case studies- Indecent representation of Women (Prohibition)

Act, 1986 and rules 1987, Protection of Women against Sexual Harassment Bill,

2007, Sec 67 of IT Act 2000 and 292 IPC etc

Objectionable Advertisements, Drugs and Magic Remedies

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Student Presentations-

Students will submit on above mentioned topics.

Unit 4- Media and Regulation

Regulatory bodies, Codes and Ethical - ASCI, TRAI, RNI

Guidelines Self Regulation

Media Content- Debates on morality and

Accountability: Taste, Culture and Taboo

Censorship and media debates

Unit 5- Media and Social Responsibility

Economic Pressures

Media reportage of marginalized sections- children, dalits, tribals, Gender

Media coverage of violence and related laws - inflammatory writing (IPC 353),

Sedition-incitement to violence, hate Speech.

Relevant Case Studies - Muzaffarpur Riots, Attack on civil liberties of individuals

and social activists

Internal Assignment: