



# SES COLLEGE SREEKANDAPURAM

(Accredited by NAAC with 'B+' Grade) Affiliated to Kannur University



## Criterion 1

### Curricular Aspects

## 1.3 Curriculum Enrichment

### 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Sl No.	Supporting Documents
1.	Professional Ethics, Gender, Human Values, Environment and Sustainability course syllabus

**CORE COURSE XVII: ENVIRONMENTAL CHEMISTRY****(DISCIPLINE SPECIFIC ELECTIVE COURSE)**

<b>SEMESTER</b>	<b>COURSE CODE</b>	<b>HOURS PER WEEK</b>	<b>CREDIT</b>	<b>EXAM HRS</b>
<b>VI</b>	<b>6B17CHE/PCH- A</b>	<b>3</b>	<b>3</b>	<b>3</b>

**Course Outcome**

**On successful completion of this course, students should be able to**

CO1 Know the importance of environmental studies and methods of conservation of natural resources.

CO2 Describe the structure and function of an ecosystem and explain the values and Conservation of bio-diversity.

CO3 Explain the sources, environmental effects and control measures of various types of pollutions.

CO 4: Identify the toxic chemicals in environment and understand the sources, effects and treatment of heavy metal poisoning

CO5: Understand the methods of domestic water treatment, Sewage analysis and Sewage treatment

**Contact hours 54**

**Unit I . Environmental segments (6 hours)**

Environmental segments: Lithosphere, Hydrosphere, Atmosphere and Biosphere.

Atmospheric structure and composition - chemical composition of water in water bodies – (Ground water, river water and lake water, sea water wetlands)- Hydrological cycle.

Chemical Toxicology – Toxic chemicals in environment – Sources, effects and treatment of heavy metal poisoning – Pb, As, Cd, Hg, Cr, Cu & Co. Minamata and Itai-Itai diseases.

**Unit II. Air Pollution (14 hours)**

Pollutant-classification

Air pollution – Air pollutants –CO, NO<sub>x</sub>, SO<sub>2</sub>, H<sub>2</sub>S, Hydrocarbons, particulate matter.

Acid rain and its effects.

Green house effect and global warming – climate change – ozone chemistry and ozone

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hole- chlorofluorocarbons, dioxins. Photochemical smog (reactions) – El Nino phenomenon. Bhopal gas tragedy. Control of air pollution – control by devices – Stacks, filters, electrostatic precipitators, cyclone separators, scrubbers and catalytic converters.

**Unit III. Water pollution (12 hours)**

Water resources, - water pollution – sources – Industrial effluents – agriculture discharge- oil spills – heavy metals – pesticides – detergents

Eutrophication – biomagnifications and bioaccumulation – experimental determination of

Dissolved oxygen, BOD and COD – Thermal Pollution – Control of water

pollution – ISI/BSI standards of drinking water. Hardness of water – causes and effects –

methods of estimation – removal of hardness. Domestic water treatment – Sewage –

Sewage analysis -Sewage treatment

**Unit IV. Soil Pollution (11 hours)**

Lithosphere – soil formation-Different types of weathering – components of soils – Acid

Base and ion exchange reactions in soil – soil pollution – soil acidification – effects on plants – liming of soil – Industrial and urban wastes – plastics, pesticides and heavy metals in soil – garbage – biomedical waste – E waste –Municipal Solid waste management. Bioremediation

**Unit V. Noise and Radiation pollution (11 hours)**

Noise pollution and Radioactive Pollution : Human acoustics - Noise – general features - types of Noise – Measurement of noise – sound pressure and power levels – sources and effects of noise pollution – prevention of hearing loss in industry – control of noise pollution.

Radiation chemistry – Man made and natural radiations – biological effects of radiation - radiation hazards from reactors – Fukushima nuclear disaster- radioactive waste management

References:-

1. Environmental Chemistry, A.K.De.
2. Environmental Chemistry, P.S. Sindhu
3. Environmental Chemistry, B. K. Sharma
4. Essentials of environmental studies, S.P. Misra & S.N.Pandey
5. Advanced Inorganic Chemistry Vol. II , Gurdeep Raj
6. Engineering Chemistry , Dr. B.K. Sharma
7. Engineering Chemistry, Jain & Jain, Dhanpat Rai Publishing Company

[Type text]

8. A Basic course in environmental studies, Surinder Deswal & Anupama Deswal.

### Distribution of Marks for External Examinations

#### Marks including choice:

Unit	Marks	Unit	Marks
I	6	V	12
II	16		
III	14		
IV	14		

Table 8. Type of questions & Marks for External Examination - Core Chemistry

	Total Questions	No. Of Questions to be answered	Mark for each Question	Total Marks
Very short answer	4	4	1	4
Short answer	10	7	2	14
Short essay/Problems	6	4	3	12
Essay	4	2	5	10
	24	17		40

**GENERIC ELECTIVE COURSE****Environmental Studies**

<b>SEMESTER</b>	<b>COURSE CODE</b>	<b>HOURS PER WEEK</b>	<b>CREDIT</b>	<b>EXAM HRS</b>
<b>V</b>	<b>5D03CHE/PCH</b>	<b>2</b>	<b>2</b>	<b>2</b>

**Contact hours:36Hrs**

**Course Outcome**

**On successful completion of this course, students should be able to**

CO 1) Differentiate the environmental segments and understand the importance of environmental segments

CO 2) Identify the types of environmental pollution and the various sources of the pollution

CO 3) Understand the consequences of environmental pollutions

CO 4) Explain the measures of control of environmental pollution

CO 5) Recognise various sustainable energy sources

**UNIT1.** Environmental segments

6 Hours

Environmental segments – Lithosphere: soil formation – components of soils. Hydrosphere: Hydrological cycle- Biosphere - Atmosphere- Structure and composition

**UNIT 2.**Air Pollution

9 Hours

Types of pollutants

Air pollution –Sources – pollutants –CO, NO<sub>x</sub>, Sox, Hydrocarbons, Particulates. Effect on ecosystem., Ozone layer –importance, Ozone depletion-Control measures- Acid rain-

control of acid rain- Green house effect-global warming,-photochemical smog(Eqns not

needed)- effect pollution on plants and human beings. Control of air pollution Noise Pollution – physiological response to noise – biological effects- carbon foot print

**UNIT 3.**Water Pollution 7 Hours

Water Pollution – Sources –Industrial effluents- agriculture discharge - oil spills-

heavy metal -pesticides-biomagnifications and bioaccumulations

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Dissolved oxygen in water, chemical oxygen demand (COD) and biochemical oxygen demand (BOD) (Definition only)- control of water pollution- ISI/BIS standards of drinking water

**UNIT 4. Soil Pollution** 8 Hours

Soil Pollution - Sources by industrial and urban wastes, radioactive pollutants, plastics

heavy metals. Poisoning by heavy metals – Minamata and Itai-Itai diseases.

Control of soil pollution.- Solid waste Management -Thermal pollution

definition-sources of thermal pollution, harmful effect of thermal pollution

prevention of thermal pollution.

**UNIT 5. Sustainable Energy Sources & Technology**

6 Hours

Green energy Sources- Wind-water-solar– use of solar energy in space-

Production of electricity using solar energy- Tidal, Biomass and geothermal energy

References:

1. Text book of Environmental Studies for under graduate courses – Erach Bhar

2. Essential Environmental studies- S. P. Misra – S. N. Pandey

3. Environmental chemistry and pollution control – S.S Dara (2<sup>nd</sup> Edition)

4. Environmental chemistry- Peter O' Neill

5. Environmental chemistry – B.K. Sharma

6. Fundamental concepts of environmental chemistry – G.S Sodhi

7. Environmental Chemistry. A.K De

## English Common Course (ECC)- 2A03 ENG Readings on Life and Nature

Name of the Course	Readings on Life and Nature
Course Code	2A03 ENG
Semester Assigned	2
Number of Credits	4
Contact Hours per Week	5
Total Contact Hours	90
Prescribed Textbook	<i>Nature Matters</i> by MainSpring Publishers

### Course Outcomes

- 1. Understand the basic themes and issues related to ecology through articles, poems, stories, life writings and historical narratives.
- 2. Assume ecologically friendly attitudes in events related to everyday life.
- 3. Identify the specific ecological problems related to Kerala.
- 4. Identify the major ecological movements around the world and within the country.
- 5. Ability to express specific opinions when confronted with ecology/development binary.
- 6. Identify the major or minor ecological issues happening around the student's native place.

### Contents

#### Module – I (2 hours/week)

1. Environmental Studies: Definition, Scope and Importance
2. Concept of an Ecosystem
3. The Fish – Elizabeth Bishop
4. Trophic Cascade – Camille T. Dungy
5. The Rightful Inheritors of the Earth – Vaikom Muhammad Basheer

#### Module – II (2 hours/week)

1. Biodiversity
2. Disaster Management: Floods, Earthquakes, Cyclones, Landslides
3. Real Estate - Sebastian
4. The Truth about the Floods – Nissim Ezekiel
5. Matsyagandhi – Sajitha Madathil

#### Module – III (1 hour/week)

1. Role of an Individual in Prevention of Pollution
2. Environmental Values
3. The End of Living - The Beginning of Survival – Chief of Seattle
4. Going Local – Helena Norberg-Hodge



### Pattern of Assessment

Mode of Assessment	Covered Modules	Marks
End Semester Examination	1,2,3	40
Continuous Evaluation- (Internal Exam)	1,2,3	5
Continuous Evaluation- Assignment	Assignments based on CO'-, Global/Local Environmental Issues- Major Movements and their Impacts- Pollution- Important Personalities-	5

### Pattern of Question Paper

**Time – 3 Hours**

**Maximum Marks --- 40**

1. One essay (200-250 words) out of two from Module-1

(Marks -1x8=8)

2. One essay (200-250 words) out of two from Module- 2

(Marks -1x8=8)

3. Four out of six paragraph questions(80-100words) from all Modules

(Marks -4x4=16)

4. Eight out of twelve short answer questions from all Modules

(Marks -8x1=8)

**Model Question Paper**  
**Kannur University**  
**English Common Course**  
**2A03 ENG - Readings on Life and Nature**

Time: Three Hours

Maximum Marks: 40

**A. Write an essay (200-250 words) on any one of the following:**

1. Attempt a critical appreciation of the poem "The Fish" by Elizabeth Bishop.
2. The story "The Rightful Inheritors of the Earth" presents two different perspectives or attitudes regarding birds and animals on the farm. How does the narrator's perspective differ from that of his wife? Which according to you is the better attitude? Give reasons for your answer?

**(Marks -1x8=8)**

**B. Write an essay (200-250 words) on any one of the following:**

3. The poem "Real Estate" discusses the harmful effects of development without a thought to nature, men who seek to turn a profit at the cost of the environment. Comment on the attitude of man that seeks ownership over nature and its harmful consequences.
4. The theme of the play "Matsyaganddhi."

**(Marks -1x8=8)**

**C. Answer any four of the following in a paragraph each (80-100 words)**

5. What is the scope of environmental studies?
6. Comment on the significance of the title "Trophic Cascade."
7. What are the advantages of natural forests?
8. How does the villagers in the poem "The Truth about the Floods" react to the flood?
9. Suggest ways to reduce the use of fossil fuels.
10. What are the two world views on environment reflected in the speech of the Chief of Seattle?

**(Marks -4x4=16)**

**D. Answer any eight of the following in two or three sentences:**

11. What are biotic components?
12. What does the poet see in the eyes of the fish?

13. What were reintroduced at Yellowstone National Park? Why?
14. In the story “The Rightful Inheritors of the Earth” how does the family tackle the problem of rats?
15. What are cyclones?
16. Who is being addressed in the last stanza of the poem “Real Estate?”
17. In the poem “The Truth about the Floods” why did the students actually visit the village?
18. Define localisation.
19. Define environmental values.
20. What does the Chief of Seattle want the white man to teach his children?
21. What is the legend presented in the story *Chemmeen*?
22. What is waste segregation? Give examples.

**(Marks 8x1= 8)**

## English Common Course (ECC)- 2A04 ENG Readings on Gender

Name of the Course	Readings on Gender
Course Code	2A04 ENG
Semester Assigned	2
Number of Credits	3
Contact Hours per Week	4
Total Contact Hours	72
Prescribed Textbook	<i>Plural Perspectives</i> by Macmillan Publishers

### Course Outcomes

1. Understand the basic themes and issues related to gender through articles, poems, stories, life writings and historical narratives.
2. Understand the divergent approaches towards gender issues.
3. Understand gender as a social construct and also as a site of struggle.
4. Critically engage with certain seminal topics that have become a part of gender studies.
5. Understand the basic gender issues faced by Kerala.
6. Appreciate and use gender sensitive and politically right terms and usages in everyday life.

### Contents

#### Module – I (2 hours/week)

1. “An Introduction”- Kamala Das (Poem)
2. “Kitchen Rags”- Vijila Chirappadu (Poem)
3. “Dakshayani Velayudhan: A Life Sketch”- Meera Velayudhan (Biography)
4. “Learning to be a Mother: - Shashi Deshpande (Essay)
5. “Is this Desirable”- Lalithambika Antharjanam (Story)

#### Module – II (2 hours/week)

1. “Still I rise”- Maya Angelou (Poem)
2. “I am not that Woman”- Kishwar Naheed (Poem)
3. “Structural Violence and the Trans Struggle for Dignity”- Gee Imaan Semmalar (Essay)
4. “Gender Justice and Media”- Ammu Joseph
5. “Clothing Matters: Visiting the *Melmundusamaram* in Keralam”- K M Sheeba

## Pattern of Assessment

Mode of Assessment	Covered Modules	Marks
End Semester Examination	1,2	40
Continuous Evaluation- (Internal Exam)	1,2	5
Continuous Evaluation- Assignment	Assignments based on CO's- Issues Related to Women/Sexual Minorities- Gender and Media- Gender in Humour- Film/Book/Serial Reviews-	5

## Pattern of Question Paper

Time – 3 Hours

Maximum Marks --- 40

**1. One essay (200-250 words) out of two from Module-1**

**(Marks -1x8=8)**

**2. One essay (200-250 words) out of two from Module- 2**

**(Marks -1x8=8)**

**3. Four out of six paragraph questions(80-100words) from both Modules**

**(Marks -4x4=16)**

**4. Eight out of twelve short answer questions from both Modules**

**(Marks -8x1=8)**

**Model Question Paper**  
**Kannur University**  
**English Common Course**  
**2A04 ENG - Readings on Gender**

Time: Three Hours

Maximum Marks: 40

**A. Write an essay (200-250 words) on any one of the following:**

1. Gender is constructed through carefully crafted binaries and cultural stereotyping. Explain with reference to the poem "An Introduction."
2. Discuss the stereotypical image of a perfect mother as portrayed in movies.

(Marks -1x8=8)

**B. Write an essay (200-250 words) on any one of the following:**

3. To the downtrodden and oppressed people mainstream history will appear as a pack of bitter and twisted lies. Discuss in connection with the poem "Still I rise."
4. The machinations of power are clearly visible when we look at the kinds of structural violence unleashed at the trans people. Discuss.

(Marks -1x8=8)

**C. Answer any four of the following in a paragraph each (80-100 words)**

5. Describe the gradual transformation of kitchen rags?
6. What does Dakshayani Velayudhan mean when she says that the Constituent Assembly should have gone beyond framing a Constitution?
7. Comment on the title "Is this Desirable?"
8. Explain the lines-"Not knowing- That I can walk on water- When I am drowning."
9. In what ways do clothing signify social locations?
10. Representation of women in media.

(Marks -4x4=16)

**D. Answer any eight of the following in two or three sentences:**

11. What is wrong with sitting on walls and peeping through lace-draped windows?
12. "Not a hum these days." Explain
13. To which parties did Dakshayani Velayudhan and her husband R. Velayudhan belong to?
14. What did Shashi Deshpande realize about a mother when she was as a child?
15. What is Bernard Shaw's opinion about parenthood?
16. What do "shoulders falling like teardrops" signify?
17. What does the phrase "huts of history's shame" represent?

18. What does the speaker imply when she says “That a nation of captive minds/ Cannot be free”?
19. What does the refrain “I am not that woman” signify?
20. Why do families disown trans people?
21. What was the judgment /rule made by the Supreme Court on April 15, 2014?
22. What was the content of the Royal Proclamation of 1834?

**(Marks 8x1= 8)**

# Kannur University

## BA English Language and Literature

### Core Courses

#### Curriculum, Syllabus and Scheme for 6B13ENG: Women's Writing

#### Course Outcomes

- Understand women's writing as a specific genre.
- Appreciate the variety in women's literature and the correlation between such variety and specific socio-political contexts.
- Understand the various dialogic positions within women's writing.
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#### Course Details

Course Code	6B13ENG
Title of the Course	Women's Writing
Semester Assigned	6
No. of Credits	4
Contact hours/week	5
Total No. of contact hours	90

#### Content Specifications

##### Module I-Essay (1 hour)

1. In Search of our Mothers' Gardens : Alice Walker
2. Performative Acts and Gender Constitution : Judith Butler

##### Module II-Drama (1hour)

1. *Bayen* : Mahasweta Devi
2. *Top Girls* : Caryl Churchill

##### Module III-Fiction (2 hours)

*Room* : EmmaDonoghue

##### Short Fiction

1. A Deer in the Forest :Ambai
2. The Yellow Wallpaper :Charlotte Perkins Gilman
3. Garments : Tahmima Anam
4. The Story of an Hour :KateChopin
5. Inside Every Woman Writer :Sarah Joseph
6. The Fly :



Katherine Mansfield

**Module IV Poetry (1hour)**

- |                               |                      |
|-------------------------------|----------------------|
| 1. Identity                   | :Julio Noboa Polanco |
| 2. I am not that Woman        | :Kishwar Naheed      |
| 3. This is a photograph of me | :Margaret Atwood     |
| 4. AuntJennifer'sTigers       | :AdrienneRich        |
| 5. Phenomenal Woman           | :Maya Angelou        |
| 6. The Mother                 | :Gwendolyn Brooks    |
| 7. Another Woman              | :Imtiaz Darker       |

**Suggested Reading:**

1. Barrett, Michele. *Women's Oppression Today*. London: Verso,1988.
2. Belsey, Catherine and Jane Moore. Eds. *The Feminist Reader: Essays in Gender and the Politics of Literary Criticism*. 2nd edition. Basingstoke,Palgrave,1997.
3. Christian, Barbara. *Black Feminist Criticism: Perspectives on the Black Women Writer*. New York: Pegamon Press,1985.
4. Fuss, Diana. Ed. *Inside/Out*. New York and London: Routledge,1991.
5. Moi, Toril. *Sexual/Textual politics*. London: Methuen,1985.
6. Jacobus, Mary. *Women Writing and Writing About Women*. London: Croomhelm,1979.
7. Eagleton, Mary . Ed. *Feminist Literary Criticism*. London: Longman,1991.
8. Showalter ,Elaine. Ed. *Speaking of Gender*. London: Routledge,1989.
9. Showalter ,Elaine. *A Literature of their Own*. London: Virago,1978.
10. Butler, Judith. *Gender Trouble: Feminism and the Subversion of Identity*. New York and London: Routledge,1990.
11. Virginia Woolf,A Room of One's Own.New York:Harcourt,1957.
12. . Lewis. Reina and Sara Mills. (2003). ed. *Feminist Postcolonial Theory: A Reader*. New York and London: Routledge. - Chandra Talpade Mohanty, bell hooks, Adrienne Rich, Sara Mills.

**Guidelines for Evaluation (6B13ENG)**

**Internal Evaluation(Total Marks - 10)**

1. ModelExamination- 5 marks
2. Assignment- 2.5marks
3. Viva/seminar- 2.5marks

**End Semester Examination(Total Marks -40)**

**Pattern of Question Paper**

Time--3Hours

Maximum Marks—40

1. One essay (200words) out of two frommodule-1 (Marks-1x8=8)
2. One essay (200words) out of two frommodule-2&3 (Marks-1x8=8)
3. Four out of six questions (80words) from Short Fiction and module-4 (Marks-4x4=16)
4. Eight out of ten short answer questions frommodules-2&3 including short fiction. (Marks-8x1=8)

**Kannur University**

Model Question Paper

BA English Language and Literature

Course Code 6B13ENG

Title of the Course:Women's Writing

**Time : 3 hours  
40****Maximum Marks :**

1. Write **an essay** of about 200 words on any one of the following: (1x8=8 marks)
  1. Give an account of the struggle undergone by the black woman artist .
  2. Explain how Butler deals with the concept of self or identity and its Constitution
- II. Write **an essay** of about 200 words on any one of the following: (1x8=8 marks)
  1. How does the use of a child's perspective alter the narrative of Emma Donoghue's *Room*.
  2. Explore the theme of ownership within the play *Top Girls* .
- III. Answer **any four** of the following in not more than 80 words: (4x 4 = 16 marks)

1. Analyse the theme of gender struggle in the poem *Aunt Jennifer's Tigers*.
2. How does Kishwar Naheed react to the abuse of women ?
3. Discuss 'Inside Every Woman Writers' as a story of triumph and glory.
4. Explain how "Phenomenal Woman" reflects Angelou's politics on race and gender?
5. Sketch the character of Mrs. Mallard.
6. What is important about the title 'The Yellow Wallpaper'?

IV. Answer **eight** of the following **in one or two** sentences: (8x 1 = 8 marks)

1. Where does Jack sleep on nights when old Nick visits?
2. Why should the Bayen keep out of Malindar's path?
3. What does the woman writer expect at Aunt Mable's house?
4. What is the present Ma has for Jack on his actual birthday ?
5. What was the terrible blow that the Boss received at the hands of fate ?
6. Which guest is the first to arrive at Marlene's dinner party ?
7. When did the Bayen begin to feel pain while burying children?
8. Why does Mrs. Mallard choose to be alone ?
9. To what physician does John at one point threaten to send the narrator?
10. Whose grave did Mrs. Woodfield's daughters happen to come across in the cemetery in Belgium ?

## IV SEMESTER

### ABILITY ENHANCEMENT II: ENVIRONMENTAL STUDIES

SEMESTER	COURSE CODE	HOURS PER WEEK	CREDIT	EXAM HRS
IV	4A14BBA	4	4	3

#### Course Outcomes

**CO1.** Acquire knowledge about environment and enable to contribute towards maintaining and improving the quality of the environment.

**CO2.** Understand the importance of protecting the environment and effect of environmental hazards

**CO3.** Analysis the ecosystem and the bio diversity nature of our country

**CO4.** Apply the awareness to point our Hot -spot of bio diversity in India and its conservation

**CO5.** Identify the effect of environmental Degradation and the role of Government in protecting the environment

**CO6.** Formulate some action plan to engage in activities for preventing environmental degradation.

**Module I:** Environmental studies- Meaning- definition-scope-Importance-Need-Components of environment: Lithosphere, Hydrosphere, Atmosphere and biosphere-need for public awareness-Natural resources: Forest resources. Water resources, Mineral resources, Energy Resources-Land resources-Role of individual in the conservation of natural resources-Equitable use of natural resources for sustainable life styles.

**(18 Hours)**

**Module II:** Eco-system- concept-Structure-Producers- Consumers- Decomposers-Energy flow in the eco-system-Bio-Diversity and its conservation: Introduction-Definition of genetic species and eco-system diversity- Value of Bio- diversity-Consumptive use- productive use- social , ethical and aesthetic value- Hot –spot of Bio-diversity- Threats to bio diversity- endangered and endemic species of India-Conservation of bio diversity: In -situ and Ex-situ conservation.

**(18 Hours)**

**Module III:** Environmental Degradation-Meaning-Types of pollutions- Causes, effects and control measures of Air pollution, Water pollution, Soil pollution- control of Urban and

Industrial waste-Environmental Ethics-Issues and possible solutions-Climate change- Global warming-acid rain- Ozone layer Depletion- solid waste management

( 18 Hours)

**Module IV:** Environmental Protection -National environment Policy- Environmental legislations-International conventions and agreements –GATT / WTO and environment-Role of central government -Pollution control Board and its role in environment protection- Environmental Impact Assessment (EIA)- Eco-friendly products- Environment Audit- Role of NGO in environment protection.- Environmental movements-Chipko Movement-Apico Movement-Silent Valley-Environmental communication and Public awareness.

(18 Hours)

### References

1. Environment Management- G.N.Pandey, Vikas Publishing House
2. Text Book of Environment- K.M.Agrawal, MacMillan
3. Ecology and Economics-Ram Prasad Sengupta- Oxford
4. The Biodiversity of India-BharuchaErach, Mapin Publishing Ltd, Ahmadabad
5. UGC

### Marks Including Choice

Module	Marks
I	15
II	15
III	15
IV	15
Total	60

## **MCJ: Second Semester**

### **MCJ 2C 05: Media Laws and Ethics**

#### **Module I**

Concept of ethics - virtue ethics; potter box approach

#### **Module II**

Fundamental rights and freedom of speech and expression in Indian Constitution; reasonable restrictions; Emergency and censorship; self-regulation versus censorship; code of ethics for print and electronic media

#### **Module III**

Defamation - libel and slander and fair comment; privacy and public interest; contempt of court; contempt of parliament and breach of privilege; media and expunged proceedings of parliament; relevance of Right to Information Act in journalism

#### **Module IV**

Reporters and sources – trust and confidentiality; bribes, junkets and freebies; lobbying; puffery and suppression; yellow journalism and page-3 journalism; Paid news sting operation; paparazzi journalism; fakery; video piracy; plagiarism; social responsibility and accountability

#### **Module V**

Official Secrets Act; Copyright Act; Young Persons' (Harmful Publications) Act; Indecent Representation of Women (Prohibition) Act; Drug and Magic Remedies (Objectionable Advertisements) Act; Cinematograph Act; Information Technology Act; laws protecting intellectual property rights

#### **Module VI**

Working Journalists and other Newspaper Employees (Conditions of Services and Miscellaneous Provisions) Act; Working Journalists (Fixation of rates and Wages) Act; Wage Boards

#### **Module VII**

Provisions to restrict media under IPC, Indian Post Office Act, Customs Act, Representation of the People Act, Civil Defense Act, Protection of Civil Rights Act, Criminal Law Amendment Act and Code of Criminal Procedure

## CORE COURSE I : - MANAGEMENT CONCEPTS AND PRINCIPLES

SEMESTER	COURSE CODE	HOURS PER WEEK	CREDIT	EXAM HRS
I	1B01 COM	5	4	3

### COURSE OUTCOME

After studying the course, students shall be able to;

CO1:- Understand the evolution of management thoughts, concept of management, scope and its functions.

CO2:- Familiarize with current management practices.

CO3:- Understand the importance of ethics in business.

CO4:- Acquire knowledge and capability to develop ethical practices for effective management.

CO5:- Describe the emerging trends in management.

### **Unit I**

**Management Concepts:** Evolution of Management thoughts: Classical approaches - Scientific management, administrative management and bureaucracy- Neo classical approaches – Human relations and Behavioral approach - Modern approaches- Quantitative approach, systems approach, and contingency approach.

[15 Hours]

### **Unit II**

**Functions of management:-** Planning-concept and importance - Planning process- Steps in Planning—barriers to effective planning-- Organizing- Nature and purpose of organization-Types of organization – line, functional, line and staff - Staffing: Concepts - manpower planning – process and importance

[18 Hours]

### **Unit III**

**Functions of management :-** Directing: Meaning-definition- principles –techniques of direction. Motivation:- concept and importance – Theories : Maslow’s Need Hierarchy – Herzberg –Theory X and Theory Y – Leadership: concept – styles – leadership and management— Controlling: meaning-definition-essentials of effective control system.

(17 Hours)

### **Unit IV**

**Business Ethics:** Meaning and scope – Types of ethics – Characteristics – Factors influencing business ethics – Arguments for and against business ethics – Basics of business ethics - Corporate social responsibility - Environmental issues in business-Ethics in advertising-Globalization and business ethics .

[20 Hours]

## **Unit V**

**Emerging concepts in management – Kaizen – TQM – TPM – MIS – ISO – Change management – Stress management – Fish bone (ISHIKAWA) Diagram – Business eco system – Logistic management.**

[20 Hours]

### **References:**

1. Boatwright. John R: Ethics and the Conduct of Business, Pearson Education, New Delhi.
2. Gupta. CB: Business management, Sultan Chand & sons
3. Koontz, H and Wehrick, H: Management, McGraw Hill Inc, New York.
4. Prasad. LM; Principles and Practice of Management; Sultan Chand & sons
5. Stoner. AF and Freeman RE; Management; Prentice Hall of India
6. Drucker, Peter, F., Management: Tasks, Responsibilities and Practices, Allied Publishers, New Delhi. 5. R.S Davar; Management Process 6. Rustum & Davan, Principles and Practice of Management.
7. Srinivasan & Chunawalla, Management Principles and Practice. 8. S. V. S. Murthy. Essentials of Management.

### **Marks including choice:**

Unit	Marks
I	10
II	12
III	12
IV	12
V	10
TOTAL	56



GENERAL AWARENESS COURSE IV : ENVIRONMENTAL STUDIES AND  
DISASTER MANAGEMENT

SEMESTER	COURSE CODE	HOURS PER WEEK	CREDIT	EXAM HRS
IV	4A14 COM	5	4	3

COURSE OUTCOME

After studying the course, the students shall be able to;

- CO 1: Understand the components of environment and need for the protection of environment
- CO 2: Understand the effect of pollution on environment and the ways of protecting the environment
- CO 3: Explain the social issues relating to environmental pollution
- CO 4: Clearly understand the various environmental hazards and the ways of managing disaster.

**Unit I :**

Brief discussion on the components of the Environment, Scope and importance of Environmental studies- Environmental problems associated with the exploitation of natural resources- Environmental protection, major environmental movements in India. Environment protection Act 1986- impacts on companies, violation and penalties, Environment Impact Assessment, Environment Protection related compliances for start-up manufacturing enterprises.

(15 hours)

**Unit II :**

Environmental Pollution- types, causes, effects- Bhopal gas tragedy, A brief discussion on - Global Warming- Climate Change- Ozone Depletion,-Acid Rain, Standards and control measures required by industries in compliance to The Air (Prevention of Pollution and Control) Act 1989, Water Pollution, importance of water pollution control and steps required to be taken by industries eg; Sewage treatment plant, water treatment plant etc. Relevance of environment legislation to business enterprises, Legislation vs. Social obligation of the business

(20 hours)

**Unit III:**

Social issues and environment- unsustainable and sustainable development, urban problems related to energy, water conservation, water harvesting, resettlement and rehabilitation of people, environmental ethics, waste land reclamations, consumerism and waste products

(15 hours)

#### **Unit IV :**

Environmental hazards and disasters-Meaning, types-natural hazards and disaster-Planetary hazards/Disasters: (a) Endogenous Hazards: volcanic eruption-Earth quakes-Landslides (b)Exogenous Hazards :infrequent events-cyclones-lightning-hailstorms. Cumulative atmospheric hazards/disasters: floods-Droughts-Heat waves. Extra planetary hazards/disasters. Man induced hazards and disasters: physical hazards/disaster-soil erosion-chemical hazards/disaster.

(20 Hours)

#### **Unit V:**

Phases of disaster management-Stages:1)pre-disaster stage(preparedness),2)Emergency stage, 3)post disaster stage .Institutional framework of disaster management-disaster mitigation institutions, education on disaster, community involvement in disaster management, role of media.

(20 Hours)

#### **Reference:**

- 1.Environmental Science : Cunnigham TMH
- 2.Environmental Studies: AK De & A K De,New Age International
- 3.Environmental management :n K Oberoi,EXCEL BOOKS
- 4.Environmental pollution ControlEngineering : C S Rao,New Age International
- 5.Ecosystem Principles & Sustainable Agriculture :Sithamparanathan,Scitech
- 6.DisasterManagemen: R B Singh,RawatPublications,New Delhi
- 7.DisasterManagement,H K Gupta, University Press,India
- 8.An Overview on Natural and Man Made Disaster & their 44 Reduction:R K Bhandani, CSIR New Delhi.

#### **Marks including choice:**

Unit	Marks
I	10
II	13
III	10
IV	13
V	10
Total	56

### **CORE COURSE VI: ENVIRONMENTAL ECONOMICS**

<b>SEMESTER</b>	<b>COURSE CODE</b>	<b>HOURS PER WEEK</b>	<b>CREDIT</b>	<b>EXAM HRS</b>
<b>IV</b>	<b>4B06 ECO/ DEV ECO</b>	<b>4</b>	<b>4</b>	<b>3</b>

#### **COURSE OUTCOME**

1. To provide a deeper understanding about the interface between ecology and economy.
2. Understand the economic incentives to improve and conserve the environment.
3. To provide basic conceptual understanding of environmental disaster, its management and mitigation
4. Ultimately, greater awareness will be imparted about the issues of environmentally sustainable development in an interdisciplinary perspective.

#### **Module I: Introduction to Environmental Economics**

Meaning, need, nature and scope of environmental economics –Environment and Ecology- Environment and Economy interaction: Material Balance Model-the laws of thermodynamics– Environment and Ethics: Approaches – Bio centric and Anthropocentric **(13 hours)**

#### **Module II: Natural Resources and Sustainable Development**

Renewable and exhaustible resources- Resource taxonomy – Sustainable development: meaning, weak and strong sustainability, approaches and indicators, threats to sustainable development – Issues of natural resources related to forest resource, water resources, energy resources, food resources and land resources – Need for conservation of natural resources **(17 hours)**

#### **Module III Market Failure and Externalities**

Public Good: Meaning and features – Environmental quality as a public good – Externalities: Positive and Negative externalities – Market failure in the presence of externalities – free rider problem – Common Property Resources – Tragedy of Commons: Coase theorem and Property Rights – Abatement of externalities: Emission Standards, Pigouvian tax and Subsidies**(20 hours)**

#### **Module IV Climate Change, Pollution and Disaster Management**

Climate Change and its impact: Green house effect and Global Warming, Acid Rain, Ozone layer Depletion, Loss of Bio diversity and Desertification –

- i) Types of Pollutions: Air, Water, Noise, Soil, Marine, Thermal, Nuclear pollution, Solid Waste and E-waste – Major Environmental issues in Kerala: consumerism and waste products, land sliding, sand mining and laterite stone mining. – Environmental awareness movements in India (Silent Valley and Narmada Bachao movements) –

- ii) Disaster Management: concepts of hazard, risk, vulnerability and disaster, types and classification of disasters, importance and relevance of disaster management in the present environmental scenario (22 hours)

**Note: compulsory field visit to various eco spots/ecologically sensitive places NOT MORE THAN 5 days. Report of field visit may be considered as assignment of this paper.**

**Books /Reports for Study:**

1. Kolstad, C. (2011). Intermediate Environmental Economics: International Edition. OUP
2. Callan, S. J., & Thomas, J. M. (2013). Environmental Economics and Management: Theory, Policy, and Applications. Cengage Learning.
3. Rabindra N. Battacharya, (2008) Environmental Economics: An Indian Perspective, OUP
4. Barry C Field,( 2012) Natural Resource Economics: An Introduction, Waveland Press, Inc
5. Subhashini Muthukrishnan, (2015) Economics of Environment, PHI Private Limited, Delhi
6. On disaster management, visit at:
  - i).<https://ndma.gov.in/images/policyplan/dmplplan/National%20Disaster%20Management%20Plan%20May%202016.pdf>; Web: [www.ndma.gov.in](http://www.ndma.gov.in)
  - ii) Chaminda Pathirage, Krisanthi Seneviratne, Dilanthi Amaratunga and Richard Haigh (2014) Knowledge factors and associated challenges for successful disaster knowledge sharing, Global Assessment Report on Disaster Risk Reduction, Centre for Disaster Resilience, University of Salford.

**Books for Reference**

1. Tom Tietenberg (2004) Environmental and Natural Resource Economics, Pearson
2. Vinod K. Sharma (1999) Disaster Management. National Centre for Disaster Management, IPE, New Delhi
3. Nick Hanley, Jason F Shogren & Ben White (1997), Environment Economics: Theory and Practice. Macmillan India Ltd
4. Singh Katar and Shishodia A (2007) Environmental Economics, Theory and Applications, Sage Publication.
5. John Asafu-Adjaye (2005) Environmental Economics for Non-economists: Techniques and Policies for Sustainable Development. World Scientific Publishing Pvt. Co.
6. Barry C Field and Martha K Field (2010), Environmental Economics-An Introduction, McGraw Hill.