




ST. JOHN'S
COLLEGE, ANCHAL

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MEN

Environment Syllabus

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Semester II**EN 1211.1****Language Course 3: Ability Enhancement Compulsory Course – EN 1211.1 (B.A / B.Sc)****Course Title: ABILITY ENHANCEMENT COMPULSORY COURSE:
ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT****Credits: 5****Hours: 5/week (90 hrs)****Learning Objectives:**

To enable the student:

- to engage with a wide range of issues in environmental studies and disaster management.
- to acquire a set of values for environmental protection and conservation
- to recognize the ecological basis for regional and global environmental issues
- to manage natural disasters and other emergency situations
- to develop a critical vocabulary related to environmental studies and disaster management

Learning Outcomes:

The student will be able to:

- understand environmental crises and disaster management situations
- take lead in spreading environmental values and creating awareness among the public
- understand local environmental issues better
- respond in a better way to a natural calamity or disaster
- articulate environmental concerns using appropriate vocabulary

Course Description**Module 1*****Understanding the Environment*****Introduction:** Environment-its importance-types of ecosystems

- “Chief Seattle’s Speech”
- “The Religion of Forest” (An Essay by Rabindranath Tagore)
- “Trophic Cascade” (A poem by Camille T. Dungy)

A Glossary of relevant **key concepts** with examples

Comprehension Questions

Module 2

Resources and their Conservation

Introduction: Natural Resources-biodiversity- conservation

- An extract from *The Silent Spring*(A book by Rachel Carson)
- *On Killing a Tree* (A poem by Gieve Patel)
- *The Inheritors of the Earth* (A translation of Short Story by Vaikom Muhammed Basheer)

A Glossary of related **Key Concepts** with **examples**

Comprehension Questions

Module 3

Environmental Pollution

Introduction: Types-Causes-Effects-Waste management-Policies and practices

- *Beat Plastic Pollution* (An article from unenvironment.org)
- “Memory of Hiroshima” (A poem by K. Satchidanandan)
- *E is for E-waste* (Ellen Banda-Aaku)

A Glossary of Related **Key Concepts** with **examples**

Comprehension Questions

Module 4

Disaster Management

Introduction: Natural and Man-made- health emergency- handling hazardous materials-managing personal disasters- bomb threats- disasterpreparedness-management-rehabilitation

- An introductory essay on Disaster Management
- *The Truth about the Floods* (A poem by Nissim Ezekiel)
- An extract from Chapter 1 of *Patna Blues* by Abdullah Khan (Juggernaut Books)
- A newsletter on Bhopal Gas Tragedy

- Laboratory safety manual
- ‘Relief Standard Operating Procedure for Natural & Man-made disaster,’ an essay.

A Glossary of related Key Concepts with interesting examples

Comprehension Questions

Project report (10 Marks)

Students are expected to prepare a project report based on any one of the activities suggested below. General guidelines will be provided for preparing the Project Report.

1. Visit to a local area to document environmental assets: River/Forest/Grassland/Hill
2. Visit to a local polluted site: Urban/Rural/Industrial/Agricultural
3. Study of simple ecosystems: Pond/River/Hill slopes
4. Mock drill organized in their college by the local disaster management agencies

Model Question Paper

No questions should be asked from Additional/ Suggested Reading

Total marks: 80

Time: 3 hours

Part One

10 questions to be answered, each in a word or sentence.(10 x 1=10marks)

Part Two

Eight questions to be answered from a total of 12 and to be written in not more than 50 words. (8 x 2= 16marks)

Part Three

Six questions to be answered from a total of 9 and to be written in around 100 words. (6 x 4 = 24marks)

Part Four

Two questions to be answered out of four and to be written in not less than 300 words. (2 x 15= 30marks)

Text Book Prescribed:

Ecoscapes

Edited by Dr Kishore Ram, Assistant Professor, Department of English, N.S.S College, Kottiyam, Dr Gireesh J., Assistant Professor, Department of English, Govt. Arts College, Thiruvananthapuram, Ranjith Krishnan K.R., Assistant Professor, Department of English, N.S.S College, Kottiyam and Dr Deepa Prasad L. Assistant Professor, Research Centre and Department of English, University College, Thiruvananthapuram

Publishers: Emerald

Suggested Reading

1. Bharucha, Erach. *The Biodiversity of India*. Mapin Publishing Pvt. Ltd. Ahmedabad, 2003.
2. Brunner, R C. *Hazardous Waste Incineration*. McGraw Hill Inc, 1989.
3. Clark, R S. *Marine Pollution*. Clanderson Press, Oxford, 2008.
4. Cunningham, W P. *Environmental Encyclopaedia*. Jaico Publishing House, Mumbai, 2001.
5. Hawkins, R. E. *Encyclopedia of Indian Natural History*, Bombay Natural History Society, Bombay, 2005.
6. Heywood V.H. and Watson RT, *Global Biodiversity Assessment*. Cambridge University Press. 1995.
7. Jadhav H and Bhosale V.M. *Environmental Protection and Laws*. Himalaya Publishing House, Delhi, 1995.
8. Odum EP. *Fundamentals of Ecology*. WB Saunders Co. USA, 1971.
9. Bumgarner, Jeffrey B. *Emergency Management: A Reference Handbook*. ABC-Clio, 2008.
10. Birkland, Thomas A. [Lessons of Disaster: Policy Change after Catastrophic Events](#). Georgetown University Press, 2006.
11. Cahill, Kevin M. *Emergency Relief Operations*. FordhamUP, 2003.

