

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI - 600 086
B.COM DEGREE

SYLLABUS

(Effective from the academic year 2015 -2016)

ENVIRONMENTAL STUDIES

CODE: 15CM/GC/ES42

CREDITS : 2

L T P : 2 0 0

TOTAL TEACHING HOURS: 26

OBJECTIVES OF THE COURSE

- To provide a fundamental knowledge of the environment
- To create an awareness about environmental issues

Unit 1

Introduction (4 hrs.)

- 1.1 Components of the Environment – Technological, Social, Natural. Classification and Characteristics of Resources – K_N, K_M, K_H , Renewable and Non-Renewable
- 1.2 Material Balance Approach
- 1.3 Energy Flow under Ecosystems

Unit 2

Pollution and Socio Economic Aspects of the Environment (11 hrs.)

- 2.1 Types of Pollution –Air, Water, Solid Waste, Noise
- 2.2 Sources, Effects and Consequences of Pollution
- 2.3 Policy Measures with respect to India
- 2.4 Human Behaviour- Population- Urbanization- Poverty (as Cause and Result of Pollution and Degradation
- 2.5 Technology- Agriculture and industry – Deforestation. Use, Misuse and Abuse of the Resources
- 2.6 Religion, Tradition and Culture

Unit 3

Sustainable Development, Remedies and Policy Implications (11 hrs.)

- 3.1 Problems – Greenhouse Effect – Depletion of the Ozone Layer – Climate Change
- 3.2 Loss of Biodiversity – Impact on Women –Ecofeminism
- 3.3 Impact on Livelihood and Health – Environmental Disasters – Natural and Manmade - Bhopal Gas Tragedy – Chernobyl Accident - Gulf War - Love Canal Episode –Tsunami
- 3.4 Methods Evolved to Measure and Check Environmental Degradation and Pollution – Carbon Footprint, Carbon Credit, Ecological Footprint, and Ecological Shadow
- 3.5 Environmental movements in India –Chipko movement, Narmada Bachao Andolan, Sethu Samudram Project

3.6 International Environmental agreement – Stockholm Conference –Montreal Protocol –RIO Meet –Kyoto Conference

BOOKS FOR REFERENCE

Igancimuthu, S. *Environmental Awareness and Protection*. New Delhi: Phoenic, 1997.

Jadhav, H. and V.M. Bhosale. *Environmental Protection and Laws*. New Delhi: Himalaya, 1995.

Odum, E.P. *Fundamentals of Ecology*, USA: W.B Sauders,1971.

Mies,M. and V. Shiva. *Ecofeminism*,London: Zed Books, 1989.

JOURNALS

The National Geographic

International Journal of Environmental Studies

WEB RESOURCES

http://collegesat.du.ac.in/UG/Envinromental%20Studies_ebook.pdf

<http://www.slideshare.net/ruchispandey/introduction-to-environmental-studies>

PATTERN OF EVALUATION

Third Component:

List of Evaluation modes:

Seminars

Quiz

Group discussion

Assignments

Case studies

No End Semester Examination