

E.M.G. YADAVA WOMEN'S COLLEGE, MADURAI – 625 014.
(An Autonomous Institution – Affiliated to Madurai Kamaraj University)
Re-accredited (3rd Cycle) with Grade A+ & CGPA 3.51 by NAAC

ENVIRONMENTAL STUDIES



CBCS SYLLABUS

COURSE STRUCTURE

(w.e.f. 2017 – 2018 onwards)

E.M.G. YADAVA WOMENS COLLEGE, MADURAI -14.**(An Autonomous Institution – Affiliated to Madurai Kamaraj University)****(Re–accredited (3rd Cycle) with Grade A⁺ and CGPA 3.51 by NAAC****CBCS****(w.e.f. 2017 – 2018 Batch onwards)****Title of the Paper : Environmental Studies****Semester : V****Contact hours : 2hrs****Sub Code : 174EV5****Credits : 2****Objectives:**

- 1.To create awareness of the Environment and need to conserve.
2. In order to sensitize the students on the Environmental issues.

Unit : I

Natural Resources :- Water Renewable Resources – Forest Resources - Soil Resources - Food Resources – Energy Resources – Non Renewable Resources.

Unit : II

Ecosystem :- Structure of an Ecosystem, Abiotic Components – Biotic Components – Functional Components – Food Chain – Energy Flow – Biogeochemical Cycles – Types of Ecosystem – Types of Aquatic Ecosystem – Pond Ecosystem – Grassland Ecosystem – Desert Ecosystem.

Unit : III

Biodiversity and Conservation: - What is Biodiversity – Levels of Biodiversity – Values of Biodiversity – Consumptive use value – Social benefits – Cultural Values – India as a Mega Diversity Nation – Conservation and its significance.

Unit :IV

Pollution :- Types of Pollutants – Types of Pollution - Air Pollution -Water Pollution - Thermal Pollution – Marine Pollution – Soil Pollution – Control Measures – Noise Pollution – Radiation Pollution.

Unit :V

Environmental Ethics and Social Issues :- Attitudes of Major Religions towards the Environment – Human Population and Environment – Globalization and the

Environment – Global Environmental Issues – Alternative Lifestyles – Role of Individuals, Organisations and Government in protecting the Environment.

Text Book:

1. Board of Editors. *Essentials of Environmental Education*. Centre for Environmental Studies, Lady Doak College, Madurai, 2014.

Reference Books:

1. Chawla, P.S. *Disaster How to Avoid Harm*. New Delhi, Pearl Books Publications, 2008.
2. Dhar, D. N., Vaish, T. Kumar. *Environmental Science & Ethics*. New Delhi, Vayu Education of India, 2009.
3. Mackenzie, A., Bsl, A.S. and virdee, S.R.. *Instant notes in Ecology*. New York, Taylor and Francies, 2010.
4. Misra, S.P., and Pandey, S.N. *Essential Environmental Studies*. New Delhi, India, 2010.