

**SEMESTER II**  
**ENVIRONMENT STUDIES**

**Computer Code-2004**

**Module 2.4**

**Evaluation Pattern: Internal Evaluation 25 Marks**

**External Evaluation 75 Marks**

Unit	Topic	Weight age %	No. of Periods
1	Nature of Environment Studies Definition – Scope – Importance	05	02
2	<b><u>Natural Resources</u></b> Types – Renewable – Non-Renewable a.Forest Resources Use & overexploitation, Deforestation – Causes & Effects, Timber Extraction, Mining, Dams & their effects On forest & Tribal People. b. Water Resources Use & overexploitation of surface & ground water, Floods droughts, Dams – Benefits & Problems, water Conservation, Water Management c. Food Resources World food Problem – Over grazing Effects of Modern Agriculture, Fertiliser – Pesticide problem, Water-logging, Salinity. d Energy Resources Growing Energy Needs, Renewable Energy Sources, Hydroelectricity -Role of individual in conservation of natural resources. -equitable use of resources for sustainable lifestyle .	25	15
	Ecosystem -Concept of an ecosystem – Meaning -Structure & function of an ecosystem		

III	<p>-Producers, consumers &amp; Decomposers          -Food chains, food webs &amp; ecological pyramids.          -introduction, types, Characteristic features          Structure &amp; function of the following ecosystem:          a.Forest ecosystem, b. Grassland ecosystem c. Aquatic ecosystem (ponds, streams, lakes. Rivers ocean estuaries)</p> <p>Environmental pollution          Definition – Types – Causes &amp; effects &amp; Control Measures of the following:          a. Air pollution b. Water pollution c. Soil pollution          d Noise pollution e.Marine pollution          -Disaster Management – foods earthquake. Cyclone &amp; Landslides.          -Role of individual in prevention of pollution.</p>	25	15
V	<p>Population &amp; environment          Population growth – factors affecting density of Population – population explosion family welfare programme – Environment &amp; humanhealth</p>	25	15
VI	<p>Field Work          -Visit to local area to document governmental asset          Forest hill mountain grassland -visit to local</p>	25	15
Total		100	60

### Suggested Readings

- 1) **Environment Management in India** Edita by **R.K. Sapru (2000)** Ashish Publishing House New Dehli.
- 2) **Environmental Studies** Dr **M-S. Prashanth** Diamond Publication Pune. (2010).
- 3) **Environmental Studies** Prof. **V. N. Sharma.** Chetana Publication Pune to Mumbai (2012).
- 4) **Environmental Studies** Vidyanathan, Gogale Deodhar Nimalaya Publishing Hare Mumbai (2011).

- 5) **Environmentalism Politics Ecology and Development By Pravin Seth Rawat  
Publication Jaipur.**
- 6) **Instaul Notes on Ecology A. Markenzie, A. S. Ball and S. R. Virdee Viva Bovks Pvt.  
Ltd. Mumbai (2004).**