

13AR1606.1 :Ecology and Environmental studies (Elective-1)

Time 3 hrs.

Max.marks. 100

Instructions: 1. Answer should be brief and to the point.

2. Give sketches wherever necessary.

Part A

1. Write short notes on the following.

- a) Benthic and Pelagic Zone
- b) Trophic level
- c) Ecological footprint
- d) Nitrogen cycle
- e) Wetlands
- f) Acid rain
- g) Environmental impact assessment
- h) Solid waste management

(8X5 = 40 marks)

Part B

Module I

2. a) Explain energy flow in an ecosystem with suitable examples.

(1x15 = 15 marks)

OR

- b) Explain the role of an Architect in minimizing the impact of built spaces on the environment.

Module II

3. a) Explain various ecosystems in nature and their working patterns.

OR

(1x15 = 15 marks)

- b) Elaborate the ways in which the environment is affected by human activities and suggest methods for improving the same.

Module III

4. a) Explain the impacts of developmental activities on the hydrological cycle. Suggest steps for conserving water in an urban context.

Or

(1x15 = 15 marks)

- b) What are the various ways of grey water management? Explain with suitable examples.

Module IV

5. a) Explain the process of Environmental Impact Assessment in India. Elaborate the flaws in the same.

Or

(1x15 = 15 marks)

- b) What is CRZ? Why was this formulated? What are the salient features of it?