

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 199224

Roll No.

**B.TECH.**

**Theory Examination (Semester-II) 2015-16**

**ENVIRONMENT & ECOLOGY**

*Time : 3 Hours*

*Max. Marks : 100*

**Note : Attempt ALL sections.**

**Section-A**

**1. Attempt all parts. All carry equal marks. Write answer of each part in short. (10×2 = 20)**

- Define ecosystem and name their components.
- Define BOD and COD with example.
- Define earthquake and Richter scale.
- What is catchment process in marine pollution ?
- What are primary and secondary pollutants? Give example.

(1)

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- What is Blue Baby Syndrome?
- What are conventional source of energy? Give example.
- What is bio-indicator?
- Define migration and its types.
- Match the following :-

Urea

Bio-accumulation

Carbon dioxide

ozone layer depletion

Chlorofluorocarbon

global warming

DDT

Eutrophication

**Section-B**

**2. Attempt any five questions from this section:**

(10×5 = 50)

- Explain types of Biodiversity. Explain different threats to Biodiversity.

(2)

- (b) Explain Pyramid, Bell and Urn shape of population with examples.
- (c) Write a case study of Earthquake in " Bhuj-Gujrat". Explain "Land-slide".
- (d) What is Nalgonda Process and where it has being used?
- (e) Explain why Thermal power stations are the main source of pollution? <https://www.aktuonline.com>
- (f) What is "Sustainable Development" and how it can be achieve?
- (g) Explain source and effect of noise pollution?
- (h) Explain the role of Central Board for Pollution Control and State Board for Pollution Control for Controlling pollution.

### Section-C

Attempt any two questions from this section.

(15×2 = 30)

- 3. (a) Give the difference between Immigration and Emigration. Explain reasons of Migration

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- (b) Describe "Renewable energy resource" with two examples and diagram.
- 4. (a) Explain ozone formation its depletion and the role of CFC's in ozone depletion
  - (b) Describe the methods for controlling the water pollution.
- 5. What do you understand by term EIA ? How inventory and monitoring help in controlling the pollution.

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