

(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)

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

(1)

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- (f) What is Blue Baby Syndrome?
- (g) What are conventional source of energy? Give example.
- (h) What is bio-indicator?
- (i) Define migration and its types.
- (j) 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)

- (a) 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?
- (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

(3)

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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.