

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

Paper ID : 199125

Roll No.

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B.Tech.

(SEM. I) THEORY EXAMINATION, 2015-16

ENVIRONMENT AND ECOLOGY

[Time:3 Hours]

[Total Marks:100]

Section-A

1. Attempt **all** parts. All parts carry **equal** marks. Write answer of each part in short. (2x10=20)
- (a) What is Ecosystem?
 - (b) Why is green house is necessary for the earth?
 - (c) Define urban sprawling.
 - (d) Explain Air (Pervation and Control of Pollution) Act 1981.
 - (e) Explain Bio-magnification with example.
 - (f) What is Food web? Give example.
 - (g) Define BAP and its source of production.

- (h) Explain Eutrophication with example.
- (i) What is "pollution" and its types.
- (j) Define "Tropical Structure" with example.

Section-B

Attempt any five questions from this section. (10x5=50)

- 2. Why the education and awareness in common people is necessary for pollution control?
- 3. Write a short note on restoration of damages of ecosystem.
- 4. Explain the term "Bio-Diversity" and Threat to biodiversity".
- 5. What are the different characteristics of population?
- 6. Draw and explain Carbon Cycle.
- 7. What are the different methods by which an individual can control different kind of pollution?
- 8. Explain In-situ and Ex-situ conservation approach of ecosystem.
- 9. What are the various sources and effects of air pollution on materials and huma beings?

SECTION-C

attempt any two questions from this section.

(15x2=30)

- 11. (a) Differentiate between Conventional enegy resources and non-conventional energy resources with examples.
- (b) Discribe what are the functions of NGOs for the controlling the pollution.
- 12. (a) Differentiate between positive and negative impact of farming.
- (b) Explain why waterlogging and salinity are responsible for decrease in soil fertility.

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