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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 (Pervention 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.

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(1)

P.T.O.

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 human beings?

- (b) Describe 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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