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EAS-105

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

**PAPER ID : 3101**

Roll No.

### B. Tech.

(Only for the candidates admitted/Readmitted in the session 2008-09)

**(SEM. I) EXAMINATION, 2008-09**

**ENVIRONMENT & ECOLOGY**

Time : 2 Hours]

[Total Marks : 50

**Note :** *The question paper contains three sections. SECTION - A, SECTION - B and SECTION - C with the weightage of 10, 15 & 25 Marks respectively. Follow the instruction as given in each section.*

### SECTION - A

*This question contains 10 questions of multiple choice / Fill in the blanks / True, False / Matching correct answer type questions. Attempts all parts of this section : 10×1=10*

1 Fill in the following blanks with suitable words :

- The study of the interaction between biotic and abiotic environment is known as \_\_\_\_\_.
- The activity mainly responsible for the pesticide pollution of surface water is \_\_\_\_\_.
- Dental fluorosis is caused by excessive concentration of \_\_\_\_\_ in drinking water.

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[Contd...

- (d) BOD stands for \_\_\_\_\_.
- (e) ppm stands for \_\_\_\_\_.
- (f) Acid rain is caused mainly is due to \_\_\_\_\_ gas in the atmosphere.
- (g) Ozone concentration in the stratosphere is \_\_\_\_\_ ppm.
- (h) Which famous environmental law was enacted in 1986 \_\_\_\_\_.

*Indicate True or False for the following Statements :*

- (i) Only government can protect environment.  
- True/False
- (j) Hydrogen is an alternative future source of energy  
- True/False.

### SECTION - B

2 Attempt any **three** parts. All parts carry equal 5×3=15 marks :

- (a) Define environment. Discuss in brief four segments of environment.
- (b) What are natural resources? Classify them.
- (c) Explain sources and effects of air pollution.
- (d) Explain acid rain and its effects on environment.
- (e) Write a short note on various issues related to enforcement of environmental legislation.



### SECTION - C

**Note :** *All questions are compulsory.* **5×5=25**  
*Attempt any two parts from each question.*

- 3** (a) What is an ecosystem? Classify ecosystem on the basis of energy sources.
- (b) Discuss the impacts of urbanization on environment.
- (c) Describe the need of public awareness about the environment.
- 4** (a) Differentiate between renewable and non-renewable natural resources.
- (b) What is deforestation? Enumerate and discuss the various causes of deforestation.
- (c) Explain the uses of solar energy.
- 5** (a) What is water pollution? What are its effects on human health?
- (b) What is noise pollution? What are the various effects of noise pollution?
- (c) What is solid waste? Discuss in brief the various ways of solid waste disposal methods.



- 6 (a) What is 'climate change'?
- (b) Discuss the phenomenon of 'Green House Effect'.
- (c) Illustrate the photochemical reactions involved in the formation and destruction of ozone in the stratosphere.
- 7 (a) What is the role of NGOs (Non Government Organization) in environmental protection ?
- (b) Enumerate various acts related to environmental protection.
- (c) How women education can help in environmental protection ?

