

B.Tech 1st Semester Exam., 2013**ENVIRONMENTAL SCIENCE**

Time : 3 hours

Full Marks : 70

Instructions :

- (i) All questions carry equal marks.
- (ii) There are **NINE** questions in this paper.
- (iii) Attempt **FIVE** questions in all.
- (iv) Question No. 1 is compulsory.

1. Answer any seven questions :

- (a) List the names of two water-borne diseases caused due to bacteria.
- (b) Write the name of the cyclone which struck India in October 2013.
- (c) List the names of four indoor air pollutants.
- (d) What is the permissible limit of dissolved solids for drinking water?
- (e) Write the types of biodiversity.
- (f) Write the names of two equipments employed to control particulate matter emission from thermal power plant.

- (g) Write the name of water pollutant responsible for blue baby disease.
- (h) Give the examples of two omnivorous animals.
- (i) Write the common unit used to express noise level.
- (j) Write the air pollutant responsible for bronchitis. akubihar.com

2. (a) Explain the structure and function of ecosystem with a neat sketch.

(b) Explain the values of biodiversity.

3. (a) Discuss the methods of solid waste management by sanitary landfilling and thermal means.

(b) Explain in brief various disaster management measures during cyclone and earthquake.

4. What is global warming? Explain the effects of global warming. Also explain the measures to prevent it.

5. What do you understand by endangered species? List the names of endangered species and describe the major steps taken to protect them in India.

6. (a) Define water pollution. What are the adverse effects of water pollution on human health?
- (b) Describe in brief various methods employed for the treatment of municipal wastewater in Indian cities.
7. (a) List the names of various natural resources available in India. Discuss in brief any two of them.
- (b) Discuss in brief the causes and consequences of rapid pollution growth in developing countries.
8. Define noise pollution. What are the adverse effects of noise pollution on human health and environment? Explain the various methods employed for the control of noise pollution.
9. Write short notes on any *three* of the following :
- (a) Acid rain
- (b) Ozone layer depletion
- (c) Rainwater harvesting
- (d) Photochemical smog

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