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Printed Pages : 4

EAS - 105 / EAS - 205

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

PAPER ID : 3103

Roll No.

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B. Tech.

(SEM. II) 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, and 25 marks respectively. Follow the instructions 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. Attempt all parts of this section:

- 1 Fill in the following blanks with suitable words : $10 \times 1 = 10$
- (a) Chlorofluorocarbon releases a chemical harmful to ozone is.....
 - (b) Greenhouse effect is related to.....
 - (c) The world AIDS Day is recalled on.....
 - (d) Increasing industrialization is causing much danger to man's life by _____
 - (e) Overgrazing results in _____.



- (f) Major purpose of most of the dams around the world is _____.
- (g) Green plants are also called the _____.
- (h) A fuel cell, in order to produce electricity burns _____.

Indicate True or False of the following statements :

- (i) Biosphere is made of atmosphere, hydrosphere and lithosphere - True/False
- (ii) Hydro-power energy and biomass energy are renewable energy sources - True/False

SECTION - B

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

- (a) Explain the multidisciplinary nature of environmental studies.
- (b) Explain the difference between renewable, nonrenewable and perpetual natural resources with the help of suitable examples.
- (c) What do you understand by water pollution? Suggest various remedial and control measures to minimize water pollution.
- (d) What are green house gases? Name and discuss their contribution to global warming. What can be the effects of global warming ? What are the remedial measures?
- (e) Discuss the role of NGOs in environmental protection.



SECTION - C

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

- 3 (a) Define ecosystem. Give an account of the structure and function of a balanced ecosystem.
- (b) Write an explanatory note on the issue of food and shelter security.
- (c) Explain the concept of sustainable development. What are the major obstacles in the path of sustainable development in India?
- 4 (a) Discuss the environmental effects of extracting and using mineral resources.
- (b) Write explanatory note on fluoride problem in drinking water.
- (c) "Hydrogen as an alternative future source of energy, explain it.
- 5 (a) Define land pollution. Discuss the causes of land pollution and their control.
- (b) What is air pollution? What are its effects on human health ?
- (c) What do you understand by the term solid waste? Discuss in brief the various types of solid wastes.



- 6 (a) Name and discuss the major periods of growth of human population.
- (b) Discuss the phenomenon of green house effect. What are its effects? What are its remedial measures?
- (c) What is animal husbandry? State and discuss the environmental concerns of animal husbandry.
- 7 (a) "Environment education can play an important role in environmental protection." Explain it.
- (b) Discuss the role of government and legal aspects in environmental protection.
- (c) Briefly describe the various schemes launched for women education in India.
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