

Printed Pages: 2

BAS-05

Roll No.

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B. Tech.

(SEM II) EVEN SEMESTER
MAJOR EXAMINATION 2017 - 2018

Environment & Ecology

Time: 3 Hrs.

Max. Marks: 50

Note: Attempt all questions. All questions carry equal marks.

Q.1 Attempt any five parts of the following.

(5×2=10)

- ✓(a). Explain the scope and importance of environmental studies.
- ✓(b). Unawareness about the protection of environment will lead to detrimental consequences: comment with illustrations.
- ✓(c). Explain the roles of producers, consumers, and decomposers in an ecosystem.
- ✓(d). What are mineral resources? What are the harmful effects of extraction of minerals?
- (e). Describe the structure, salient features, and function of a forest ecosystem.
- ✓(f). Discuss important world food problems? What are the characteristics of a healthy food?
- ✓(g). Explain the term "biodiversity". Give the reasons for the extinction of species.

Q.2 Attempt any two parts of the following.

(2×5=10)

- ✓(a). What is water pollution? Discuss the effect of i) sewage and ii) agricultural discharges on water.
- ✓(b). What is soil pollution? What are its harmful effects? Discuss the methods of controlling soil pollution.
- (c). Define air pollution. Suggest measures for controlling air pollution. Explain the working of any one device used for controlling air pollution.

(2×5=10)

Q.3 Attempt any two parts of the following.

- ✓(a). Define noise. Discuss various sources of noise. What are its effects? Describe the methods used for controlling noise pollution.

✓ (b). What are solid wastes and what are their different types? Name various methods of waste disposal and explain any one of them.

✓ (c). Write a short note on global warming explaining its reasons and consequences.

(2×5=10)

✓ Q.4 Attempt any two parts of the following.

✓ (a). What are NGOs? Write about the work done by any two Indian NGOs towards environmental protection.

(b). The growth of human population took place at a very fast rate in 19th and 20th centuries – why? Are we successful in curtailing this growth rate now? Elaborate.

✓ (c). How environmental awareness can be inculcated in public? Discuss the role of an individual in prevention of pollution.

Q.5 Attempt any two parts of the following.

(2×5=10)

(a). Briefly discuss the salient features of Environment (Protection) Act, 1986.

✓ (b). Explain the term “population explosion”. What are its effects on environment and other human aspects?

✓ (c). Write the aims and objectives of “family welfare programs”. Discuss their implementation details.