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TEV-101

B. Tech. (First Semester)

End Semester EXAMINATION, 2017

(All Branches)

ENVIRONMENTAL STUDIES

Time : Three Hours] [Maximum Marks : 100

Note : (i) This question paper contains *five* questions.

(ii) All questions are compulsory.

(iii) Instructions on how to attempt a question are mentioned against it.

(iv) Total marks assigned to each question are **twenty**.

1. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

(a) Define resource. Write a detailed note on the renewable sources of energy.

(b) 'Forests play an important role in maintaining the ecological balance.' Justify this statement with suitable examples.

- (c) 'The Government alone can't successfully conserve the invaluable natural resources and therefore, the role of society at individual level becomes imperative for this.' Give your views on this statement.
2. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Define ecosystem. Explain the concepts of food chain and food webs in detail.
- (b) Describe the characteristics, structure and function of the desert ecosystem.
- (c) Explain the following :
- (i) Decomposers
- (ii) Consumers
3. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Define biodiversity. Describe its different values in detail.
- (b) Explain in-situ and ex-situ conservation methods of the biodiversity.
- (c) Distinguish between National Parks and Biosphere Reserve along with explaining the IUCN categories.
4. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Define environmental pollution. Discuss the causes and control measures of water pollution.

- (b) Discuss the salient features of Wildlife Protection Act, 1972.
- (c) 'The effective enforcement of the environmental legislations has to face many issues.' Give your views on this statement.
5. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) 'The population explosion is a serious concern to be taken into account while dealing with environmental problems.' What does this statement signify ? Explain in detail.
- (b) Describe the role of information technology in environment and human health.
- (c) What is AIDS ? Describe its causes, effects and preventive measures.