



Printed Pages : 3

TES – 201

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

PAPER ID : 9926

Roll No.

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B. Tech. (Sem. II)

**SPECIAL CARRYOVER EXAMINATION, 2006-07
ENVIRONMENTAL STUDIES**

Time : 3 Hours]

[Total Marks : 100

- Notes :*
- (1) Attempt all questions.*
 - (2) All questions carry equal marks.*

1 Attempt any **four** parts of the following : **5×4=20**

- (a) What is meant by an environment ? Enumerate and discuss its various elements. Describe the details of any one of them.
- (b) Name different sources of water. Discuss their characteristics and quality. Also quote examples of their availability.
- (c) What is meant by mineral resources ? Write a detailed note on mineral resources of India.
- (d) What changes do the agricultural activities cause in environment ? Discuss the effects of over grazing on environment.

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[Contd...

- (e) Describe various alternative energy sources and their use.
- (f) Enumerate the role of an individual in conservation of natural resources.

2 Attempt any **two** parts of the following : **10×2=20**

- (a) What are the roles of producers, consumers and decomposers in an ecosystem ? Quote their examples and differentiate amongst their necessities.
- (b) Define an ecological pyramid and its various types.
- (c) What are the important characteristics of natural and artificial ecosystems ?

3 Attempt any **two** parts of the following : **10×2=20**

- (a) Differentiate between the social ethical, aesthetic and option values of biodiversity, quoting suitable illustrations.
- (b) What are the various human actions ? Which are responsible for extinction of species. Discuss also the causes that have posed threats to biodiversity.
- (c) What are 'hotspots' of biodiversity ? Discuss their significance. Explain the hotspots that extend into India.

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4 Attempt any **two** parts of the following : **10×2=20**

- (a) Suggest measures to control air pollution. Name various devices used for this purpose and explain the working of any one of them with the help of a suitable sketch.
- (b) Enumerate various effects of soil pollution. How do industrial, agroproducts and pesticides deteriorate the soil.
- (c) What are 'solid wastes' ? and What are their different types ? Discuss their effects.

5 Attempt any **four** parts of the following : **5×4=20**

- (a) What are various problems of family welfare programme ?
- (b) What is meant by 'value' and 'value education' ? Discuss their concept with the help of suitable illustrations.
- (c) Discuss the salient features of the Wildlife Protection Act, 1972.
- (d) Discuss briefly the salient features of the water (Prevention and Control of Pollution) Act, 1984.
- (e) Describe the scenario of human right in India.
- (f) Write short note on population explosion.