



Printed Pages : 4

TES101

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

PAPER ID : 0099

Roll No.

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B.Tech

(SEM I) ODD SEMESTER THEORY EXAMINATION 2009-10 ENVIRONMENTAL STUDIES

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions.

1 Attempt any **four** parts of the following :

- (a) Discuss the importance of environmental studies. 5
What is meant by environmental pollution ?
- (b) Explain the term 'man induced landslides'. 5
Enumerate the measures to control landslides.
- (c) Hydropower is clean non-polluting source of 5
energy. Comment on it.
- (d) Enumerate the effects of deforestation. Explain 5
the measures taken for conserving forest wealth.
- (e) Discuss the major world food problems. How
is undernourishment differ from malnourishment ?
- (f) Enumerate the role of an individual in 5
conservation of natural resources.



2 Attempt any **four** parts of the following :

- (a) What is meant by structure of an ecosystem ? **5**
Explain the various components of an ecosystem.
- (b) Write short notes on : **5**
- (i) Lake ecosystem
 - (ii) Forest ecosystem
- (c) Explain the flow of energy through the various **5**
components of the ecosystem.
- (d) What is ecological succession ? Describe the **5**
causes and basic types of ecological succession.
- (e) Define an ecological pyramid and its various **5**
types.
- (f) Define food chain. Name and explain various **5**
types of food chain with suitable examples.

3 Attempt any **two** parts of the following :

- (a) What are hotspots of biodiversity ? Discuss **10**
their significance. Explain the hotspots that
extend into India.
- (b) What are the various human actions which **10**
are responsible for extinction of species, discuss
also the causes that have posed threats to
biodiversity.



- (c) Define biodiversity. Explain genetic diversity, species diversity and ecosystem diversity. 10

4 Attempt any **two** parts of the following :

- (a) What are major causes of soil pollution ? How does soil pollution affect soil productivity ? What measures can be taken to prevent the soil pollution ? 10
- (b) What are solid wastes ? Discuss different types of solid wastes and their effects. 10
- (c) What do you understand by water pollution ? Suggest various remedial and control measures to minimize water pollution. 10

5 Attempt any **four** parts of the following :

- (a) Explain the problems associated with ozone layer depletion. 5
- (b) Write short note on pollution explosion. 5
- (c) What is meant by 'value' and 'value education' ? Discuss their concept with the help of suitable illustrations. 5
- (d) Discuss role of information technology in human health. 5



- (e) Discuss briefly the salient features of the Prevention and Control of Pollution Act, 1984 for water. 5
- (f) What is 'Rain-Water Harvesting' ? Name and discuss in brief the types of rainwater harvesting. 5
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