



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) EXAMINATION, 2006-07

ENVIRONMENTAL STUDIES

Time : 3 Hours]

[Total Marks : 100

- Note :**
- (i) Attempt **all** questions.
 - (ii) All questions carry **equal** marks.

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

- (a) Discuss the importance of environmental studies.
What is meant by environmental pollution ?
Discuss the requirement of a non-polluted environment.
- (b) What do you mean by natural resources?
Enumerate the various natural resources.
- (c) Classify the atmosphere on the basis of temperature variation. State main activities taking place in each of them.
- (d) Discuss the major world food problems.
How is undernourishment different from malnourishment?
- (e) What do you mean by water-logging and salination ? What are their causes and how do they influence the agricultural yields ? Suggest measures to minimise them.

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- (f) Write short note on soil erosion and desertification.

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

- (a) What is meant by structure of an ecosystem? Explain the various components of an ecosystem structure. Discuss the functions of an ecosystem also.
- (b) What is meant by 'flow of energy' in an ecosystem ? What is its importance for ecosystems.
- (c) Write the short notes on :
- (i) Pond or lake ecosystem
 - (ii) Forest ecosystem.

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

- (a) What is meant by 'biodiversity'? What is its concept? Explain the three hierarchical levels of biodiversity.
- (b) What do you mean by value of biodiversity ? Explain the consumptive use of productive use of a biodiversity.
- (c) Write the short notes on :
- (i) Habitat loss
 - (ii) Endangered and endemic species of India.
 - (iii) Man-wildlife conflict
 - (iv) Biodiversity treaty.

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

- (a) What do you understand by water pollution ? Suggest various remedial and control measures to minimize water pollution.

- (b) Briefly describe the idea of 'solid waste management' stating suitable examples. Distinguish between the incineration and composting methods of solid waste disposal.
- (c) Explain four major air pollutants and their consequences.

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

- (a) Write the aims and objectives of 'Family Welfare Programmes'. Discuss their implementation details.
- (b) The industrial developments have caused positive as well as negative effects on human health - comment.
- (c) Describe the role of information technology in favour of environmental studies. Briefly explain the GIS and remote sensing techniques in this regard.
- (d) Explain the problems associated with ozone layer depletion.
- (e) Discuss in brief, the salient features of the Air (Prevention and Control of Pollution) Act 1981.
- (f) Write short note on population explosion.