

(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, 2007-08

**ENVIRONMENTAL STUDIES**

Time : 3 Hours]

[Total Marks : 100

**Note :** Attempt all the questions.**1** Attempt any **four** parts of the following: **5x4=20**

- Write short note on sustainable lifestyle.
- Explain the term 'man induced land slides'. Enumerate the measures to control landslide.
- Explain the use of better agricultural practices to control land degradation.
- Enumerate the applications of solar energy in modern days. Explain the use of solar energy for space heating of buildings.
- Enumerate the effects of deforestation. Explain the measures taken for conserving forest wealth.
- Describe the necessity of conserving mineral resources.

**2** Attempt any **two** parts of the following: **10x2=20**

- Define ecology and ecosystems. Enumerate different types of ecosystems and explain any two of them in detail.
- Explain the flow of energy through the various components of the ecosystem.
- What do you mean by ecological pyramids? Explain various types of pyramids with examples.

**3** Attempt any **two** parts of the following: **10x2=20**

- Enumerate and describe the various biogeographical regions of India briefly, indicating the types of species usually found in these regions, with a special mention of their endemic species.
- With the suitable examples explain how are poaching and human - wild life conflicts responsible for biodiversity depletion.
- Describe the international efforts that have been made to protect the biodiversity of world. In this context, explain any one international treaties.

**4** Attempt any **two** parts of the following: **10x2=20**

- What do you mean by self-purification of rivers? Explain the various natural mechanisms involved in this process.
- Enumerate various air pollutants for which National Ambient Air Quality Standards have been given in India. Explain the various non-point sources contributing to air pollution.
- What do you mean by disaster management? Explain in detail about earthquake disaster management.

5 Attempt any **four** parts of the following: **5x4=20**

- (a) Describe powers of the State Government to declare air pollution control areas and restrictions on use of certain industrial plants as given in Air (Prevention and Control of Pollution) Act.
- (b) Define sustainable development and discuss its concepts.
- (c) What do you mean by 'watershed management'? Explain its importance mentioning its advantages.
- (d) Explain the role of IT in improving human health.
- (e) Discuss the problems and concerns related to the issue of 'Resettlement and Rehabilitation of People'.
- (f) Discuss briefly the salient features of the Forest Conservation Act.