

This question paper contains 4 printed pages]

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S. No. of Question Paper : 8553

Unique Paper Code : BTHT-509 : 216571

C

Name of the Paper : Environmental Management

Name of the Course : B.Sc. (Hons.) Botany

Semester : V

Duration : 3 Hours

Maximum Marks : 75

*(Write your Roll No. on the top immediately on receipt of this question paper.)*

Attempt *Five* questions in all, including Question No. 1 which is compulsory.

*All parts of a question must be answered together.*

1. (a) Define the following terms (any five) :

5×1=5

- (i) Biodiversity
- (ii) Cryopreservation
- (iii) Eutrophication
- (iv) Sustainable Development
- (v) Fossil Fuels
- (vi) Deforestation
- (vii) Endemic species

P.T.O.

(b) Name the following :

5×1=5

- (i) An International Treaty to reduce Greenhouse emissions.
- (ii) The unit of measure for Ozone Layer Depletion.
- (iii) The date observed as 'Earth Day'.
- (iv) The maximum number of individuals of any species that can be supported by a particular ecosystem on a long-term basis.
- (v) A species that plays a pivotal role in the maintenance of an ecosystem and upon which many other species depend.

(c) Expand the following (any *five*) :

5×1=5

- (i) ZSI
- (ii) WWF
- (iii) IUCN
- (iv) CPCB
- (v) CBD
- (vi) IPCC

2. Write short notes on the following (any *three*) :

3×5=15

- (a) Greenhouse effect and Global warming
- (b) Threats to Biodiversity
- (c) Ecological footprint
- (d) Project Tiger

3. (a) What are Wetlands ? What is their importance ? Discuss *two* Wetlands of India identified as Ramsar Sites. 5
- (b) Discuss Ozone depletion, the substances responsible for it and its harmful effects upon living beings. 5
- (c) Discuss the provisions of the Kyoto Protocol. 5
4. Differentiate between the following (any *three*) : 3×5=15
- (a) Renewable and non-renewable natural resources
- (b) In-situ and ex-situ conservation
- (c) Primary and Secondary air pollutants
- (d) Afforestation and Reforestation
5. (a) Describe the various non-conventional sources of energy. 5
- (b) Explain what is rain water harvesting and enumerate its advantages. 5
- (c) What is a biodiversity hot spot ? Describe *two* such hotspots in India. 5
6. (a) What is the role of NGOs in creating public awareness of environmental issues ? 5
- (b) Are GMOs a threat to our environment ? Comment. 5
- (c) Explain what are Green Technologies and how they help in conservation programmes in India. 5

7. (a) Discuss radioactive pollution with reference to health hazards and enumerate preventive measures. 5
- (b) What are the roles of BSI and NBPGR ? 5
- (c) What are the provisions of the following Acts : 5
- (i) Environment (Protection) Act 1986, and
- (ii) Air (Prevention and Control of Pollution) Act 1981.