

[This question paper contains 4 printed pages.]

Sr. No. of Question Paper : 698

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Your Roll No.....

Unique Paper Code : 216571

Name of the Paper : Environmental Management (BTHT-509)

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

Semester : V

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **Five** questions in all, including Question No. 1 which is compulsory.
3. Attempt all parts of the question together.

1. (a) Fill in the blanks (**any five**) :

(5×1=5)

- (i) is the development that meets the need of present without compromising the ability of the future generation to meet their own needs.
- (ii) and are the two hotspots of India.
- (iii) is a mega diversity country of Asia.
- (iv) Red data book gives information about
- (v) In 2050 will be the most populated country of the world.
- (vi) cultivation is practiced by tribals in North – East part of India.

P.T.O.

(b) Expand the following (any five) : (5×1=5)

- (i) CPCB
- (ii) CBD
- (iii) EIA
- (iv) IPCC
- (v) WWF
- (vi) IUCN
- (vii) CITES

(c) Answer the following (any five) : (5×1=5)

- (i) Name the magazine published by “Centre of Science and Environment”.
- (ii) What is the contribution of MedhaPatkar ?
- (iii) When is “Ozone day” celebrated ?
- (iv) Who is the author of the book “Silent Spring” ?
- (v) What is a “Dobson Unit” ?
- (vi) Name two green house gases.
- (vii) What are the 3 R’s of waste management ?

2. Differentiate between the following (any five) : (5×3=15)

- (i) *In – situ* and *Ex – situ* conservation
- (ii) Renewable and Non – renewable energy sources
- (iii) National park and Biosphere reserves
- (iv) Stratospheric ozone and Tropospheric ozone

- (v) Primary air pollutants and Secondary air pollutants
- (vi) Confined and Unconfined aquifers
3. Write short notes on **any three** of the following : (3×5=15)
- (i) Project Tiger
- (ii) Kyoto Protocol
- (iii) Threats to Biodiversity
- (iv) Ecological footprints
- (v) Bioenergy
4. (a) What is global warming ? Describe the effect of global warming on biodiversity and agriculture. (7)
- (b) Define pollution. What are the sources of water pollution. What steps are taken by government of India to control it ? (1+2+5=8)
5. (a) Human activities are responsible for ozone depletion. Explain. (7)
- (b) What is Ramsar Convention ? What is its function ? (4)
- (c) What is the role of following Environment laws :
- (i) Wildlife (Protection) Act, 1972
- (ii) Air (Prevention and Control of pollution) Act, 1981 (4)
6. (a) What are the different methods of solid waste management ? (5)
- (b) What are the ecological services provided by forests ? (5)
- (c) What is the purpose of Environment Impact Assessment ? (5)

7. (a) Explain what is rain water harvesting and give its advantages. (3)
- (b) Discuss the role of **any two** organizations : (3+3=6)
- (i) WWF
 - (ii) NBPGR
 - (iii) BSI
- (c) Discuss advantages and disadvantages of Nuclear Energy. (6)