

- (iii) World biodiversity day is celebrated every year on :
- March, 22
 - May, 22
 - July, 22
 - November, 22
- (iv) The phenomenon of having higher number of species in ecotone is called :
- Dominance effect
 - Edge effect
 - Abundance
 - Frequency
- (v) Which among the following schemes of Government of India comes under Clean Development Mechanism (CDM) of the Kyoto Protocol ?
- National Solar Mission
 - Bachat Lamp Yojana
 - Jawaharlal Nehru National Urban Renewable Mission
 - Akshay-Prakash Yojna
- (vi) The term ecosystem was first coined by A.G. Tinsley in :
- 1935
 - 1936
 - 1937
 - 1938

Roll No.

Total Pages : 06

July-22-00213

B. Tech. EXAMINATION, 2022

Semester II (CBCS)

ENVIRONMENT & ECOLOGY

HS-102

Time : 3 Hours

Maximum Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt *Five* questions in all, selecting *one* question from each Section A, B, C and D. Q. No. 9 is compulsory.

Section A

1. Write short notes on the following :
- What is hazard and how is it different from risk ?

5

(b) What do you understand by renewable energy and non-renewable sources ? 5

2. What are various initiatives/schemes launched at national level to deal with the situations of floods and droughts ? 10

Section B

3. Write a short note on biodiversity. Differentiate between genetic, species and ecosystem biodiversity. 10

4. Explain various threats to biodiversity. 10

Section C

5. Write short notes on the following :

(a) Vienna Convention
(b) Kyoto Protocol. 5+5

6. Describe salient features of :

(a) Air Act
(b) Forest Act. 5+5

Section D

7. Write down the sources and classification chart of Solid waste. 10

8. What is biomedical waste ? List out its categories and mention the methods for respective waste management category. 10

Compulsory Question

9. (A) Objective type questions : 10×1=10

(i) Which of the following solid wastes describes the term 'Municipal Solid Waste' ?

- (a) Toxic
- (b) Hazardous
- (c) Non-toxic
- (d) Non-hazardous

(ii) The process of burning municipal solid wastes under suitable temperature and conditions in a specific furnace is called :

- (a) Landfill
- (b) Incineration
- (c) Recycling
- (d) Vermi composting

(B) Short answer type questions : **5×2=10**

- (i) What is Flood ?
- (ii) Define Pioneer Community.
- (iii) In which year Solid Waste Management Act came ?
- (iv) Define pyramid of energy.
- (v) Mention any *two* sources of pesticides in water bodies.

(vii) Which of the following habitat have most biodiversity ?

- (a) Antarctica
- (b) Sahara Desert
- (c) Amazon rainforest
- (d) North pole

(viii) Biodiversity is a measure of variation at the.....level.

- (a) Genetic
- (b) Species
- (c) Ecosystem
- (d) All of the above

(ix) The period of dry weather longer than normal is known as :

- (a) Flood
- (b) Disaster
- (c) Drought
- (d) Famine

(x) Wildlife Protection Act in India came in the year :

- (a) 1972
- (b) 1970
- (c) 2021
- (d) 1990