

Roll No.

Total Pages : 3

015506

Jan. 2022

**B.Tech. (ECO) 5th Semester
Environmental Sciences (MC-03)**

Time : 90 Minutes]

[Max. Marks : 25

Instructions :

1. *It is compulsory to answer all the questions (1 mark each) of Part-A in short.*
2. *Answer any three questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. (a) Give two examples of green house gases. (1)
- (b) What is pyramid of energy? (1)
- (c) Why is occurrence of food web in ecosystem significant? (1)
- (d) Differentiate renewable energy resources from non-renewable energy resources. (1)
- (e) What are different side effects of noise pollution? (1)
- (f) How can we control soil pollution? (1)

015506/210/111/207

[P.T.O.]

- (g) What is the need of studying environmental issues? (1)
- (h) Define ecology and ecosystem. (1)
- (i) Give four causes of deforestation? (1)
- (j) Name the environmentalist who started Chipko movement. (1)

PART-B

2. (a) Give an account of different sources and effects of water pollution. (3)
- (b) What are primary and secondary air pollutants? Support your answer with example. (2)
3. (a) Explain the multi-disciplinary nature of Environmental Studies? (2)
- (b) What is the role of individual in environmental conservation? (3)
4. What are the different methods of conservation of biodiversity? (5)
5. (a) Define ecological pyramid and give its types? Explain why energy pyramid is always upright while others may be upright or inverted in different ecosystem? (3)

(b) Give general steps in the process of ecological succession? (2)

6. Write short notes on any *two* :

(a) Hot spots of biodiversity.

(b) Global Warming.

(c) Effects of Air pollution .

(d) Sustainable development. (2, 3)