

Roll No. ....

Total Pages : 3

**353104**

**January 2023**

**BA(SW)-I SEMESTER**

**Environmental Science (BSW-104)**

Time : 3 Hours]

[Max. Marks : 75

*Instructions :*

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four 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) What is global warming? Name *two* agents responsible for it. (1.5)
- (b) Define "Agroforestry". Give its benefits. (1.5)
- (c) What is pyramid of energy? (1.5)
- (d) Write in brief about agents causing soil erosion. (1.5)
- (e) When is "Environment Day" celebrated. (1.5)
- (f) Name *three* endangered species of India. (1-5)
- (g) Who started Ghipko movement and why? (1.5)
- (h) What are the side effects of acid-rain? (1.5)

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(i) What are main causes of increase in occurrence of landslides ? (1.5)

(j) What was the objective of Kyoto protocol? (1.5)

**PART-B**

2. (a) What are major causes and effects of deforestation? (10)

(b) Explain the importance of Environmental studies and public awareness. (5)

3. (a) Explain the difference in pond ecosystem and desert ecosystem. (5)

(b) Enlist the different threats to biodiversity. Explain various measures taken for *in-situ* and *ex-situ* conservation of biodiversity. (10)

4. What do you understand by ecological succession? Discuss the process of ecological succession. What are its types? Explain in detail the xerophytic succession. (15)

5. (a) What is noise pollution? What measures can be taken to prevent it? (5)

(b) Give an account of different sources and effects of air pollution. (10)

6. Write short notes on any *three* :

(a) Hot spots of biodiversity.

(b) Ozone layer depletion.

(c) Alternate energy resources.

(d) Sustainable development. (3×5=15)

7. Write short notes on any *three* :

(a) Rain water harvesting.

(b) Floods.

(c) Dams-Advantages and Disadvantages.

(d) Alternate Energy resources. (3×5=15)