

Roll No. ....

Total Pages : 3

**453103**

**December, 2019**  
**B.A. (JMC) - I SEMESTER**  
**Environmental Science (BEVS-101)**

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. Write short notes on the following :

- (a) Sustainable development. (1.5)
- (b) Food chains and food webs in an ecosystem. (1.5)
- (c) Pyramid of energy in an ecosystem. (1.5)
- (d) Desertification. (1.5)
- (e) Non-renewable energy sources (1.5)
- (f) Biological diversity (1.5)

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- (g) Man-wildlife conflicts. (1.5)
- (h) Municipal solid waste. (1.5)
- (i) Green house gases. (1.5)
- (j) Chipko movements. (1.5)

**PART - B**

2. (a) Explain the structure and functioning of an aquatic system. (10)
- (b) Describe different types of aquatic system. (5)
3. (a) What are different types of renewable energy resources? (10)
- (b) Mention the advantages of using renewable energy resources. (5)
4. Explain different *in-situ* and *ex-situ* conservation methods of biodiversity with examples. (15)
5. (a) Describe the impacts of ozone layer depletion on health and environment. (8)
- (b) Explain different Indian rules related with environmental protection. (7)

6. (a) Explain the impacts of human population growth on environment. (8)
- (b) How we can reduce the effects of floods through disaster management? (7)
7. Describe the causes, effects and control methods of air pollution. (15)
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