

Roll No.

(01/22-II)

53003

B.Sc. Data Science/B.Sc. Physics/B.Sc.

Mathematics EXAMINATION

(For Batch 2021 & Onwards)

(First Semester)

ENVIRONMENTAL STUDIES

EVS/1/AECC1/2

Time : Three Hours

Maximum Marks : 70

Note : The question paper consists of nine questions in all. Q. No. 1 is compulsory and consists of five short answer type questions of 2 marks each ($2 \times 5 = 10$ marks). In addition, eight more questions are there unit-wise comprising of two questions (15 marks each) from each of the four Units. Attempt *four* more questions selecting *one* question from each of the four Units.

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P.T.O.

<https://www.cdluonline.com>

1. Write short notes on the following : $2 \times 5 = 10$

- (a) Deforestation
- (b) Food Chain
- (c) Endangered Species
- (d) Ozone layer depletion
- (e) Mortality.

Unit I

2. Define the term *Natural resources*. Discuss in detail about the renewable and non-renewables resources giving suitable examples. 15

3. (a) Why dams are built ? Write down about the benefits and problems of dams.
- (b) Environmental impacts of chemical fertilizers and the pesticides use. $8+7=15$

Unit II

4. What do you understand by the term "Ecological Pyramids" ? Write down about different types of ecological pyramids along with suitable diagrams. 15

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5. Define the term Biodiversity. What are the major threats to biodiversity ? Write down about the *in-situ* and *ex-situ* conservation of biodiversity. 15

Unit III

6. What is Water Pollution ? Write down about causes, effects and control measures of water pollution. <https://www.cdluonline.com> 15

7. Write down about : 7+8=15
- (a) Cyclones and their management
 - (b) What do you understand by the term Rain Water Harvesting ? Write down about Indian traditional methods of Rain Water Harvesting.

Unit IV

8. What do you understand by the term Population Explosion ? Write down about the causes, consequences of population explosion. Also discuss various measures to control population growth. 15

9. Discuss in detail about : 7+8=15
- (a) AIDS
 - (b) Role of Information Technology in Environment and Human Health.