

Roll No. :

Total No. of Questions : 16]

[Total No. of Printed Pages : 3

SEM4013

M.Sc. (IVth Semester) Examination, 2021

ENVIRONMENTAL SCIENCE

Paper - ES-403 (A)

(Environmental Issues and Awareness)

Time : 1½ Hours]

[Maximum Marks : 40

Note :- The question paper contains three Sections.

Section-A

(Marks : 1 × 10 = 10)

Note :- Answer all the ten questions carries 1 mark each. The answer should not exceed 50 words.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer *five* questions by selecting at least *one* question from each Unit. Each question carries 3 marks. Answers should not exceed 200 words.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer *three* questions by selecting *one* question from each Unit. Each question carries 5 marks. The answer should not exceed 500 words.

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Section–A

1×10=10

1. Attempt all questions. Answers should not exceed **50** words in each question.
 - (i) What emission from human activities lead to ozone depletion ?
 - (ii) What is eutrophication ?
 - (iii) Define invasive species.
 - (iv) What are Landslides ?
 - (v) Describe Sustainable Development.
 - (vi) What do you understand by term overgrazing ?
 - (vii) Define Gender Imbalance.
 - (viii) What are the biomedical effects of arsenic ?
 - (ix) Describe the causes of Wasteland.
 - (x) Define the need of wetland conservation.

Section–B

3×5=15

Unit–I

2. Explain the role of UNFCCC.
3. Describe the types of floods.
4. Define Environmental Ethics.

Unit–II

5. What are the impacts of decline of pollinator ?
6. Explain the role of environmentalist Medha Patkar in Environmental Movements.
7. Describe the steps taken to conserve soil.

Unit–III

8. Describe the health risk associated with groundwater fluoride.
9. Explain the importance of environmental education and awareness in the present scenario.
10. Write a note on sustainable development goals.

Section-C

5×3=15

Unit-I

11. Describe why is there an ozone hole only in Antarctica while ozone-depleting substances are present throughout the stratosphere ?
12. Explain how the greenhouse effect works ?

Unit-II

13. Describe the outcomes of unregulated fishing.
14. What are the characteristics of Tehri dam and risk associated with it ?

Unit-III

15. Define the role of Governmental and Non-governmental organisation in environmental protection.
16. Give a detailed account on genetically modified food and controversies surrounding it with suitable example.