

V-36-A

Roll No. **Y**

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

XIAPBAJKL23

10136-A

ENVIRONMENTAL SCIENCE

Time : 3 Hours]

[Maximum Marks : 70

Section-A

(Objective Type/Multiple Choice Type Questions)

1 each

1. What do you mean by Biotic Environment ?
2. What are Sciophytes ?
3. scale is used to measure the intensity of seismic waves.
(Fill in the blank)
4. By this method, the majority of carbon moves from the lithosphere to the atmosphere :
(A) Erosion (B) Deposition
(C) Weathering (D) Fossil Fuel Burning
5. To which environmental movement were Sunder Lal Bahuguna and Goura Devi associated ?

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Turn Over

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6. Expand 'BNHS'.
7. Algicide is used to kill or inhibit (Fill in the blank)
8. Excessive use of nitrogenous fertilizers results in the eutrophication of water bodies. (True/False)

Section-B

(Very Short Answer Type Questions)

2 each

9. Explain briefly a food web with a suitable example.
10. What are pros and cons of wind energy ?
11. What are non-renewable energy resources ? What are their limitations ?
12. What are the characteristics of Stratosphere ?
13. "Media plays an important role in developing environmental awareness among masses." Comment.
14. What is Silicosis ? What are its symptoms ?

Or

What is Botulism ? Name its causative organism.

15. What according to Malthus are the positive checks that control the population growth ?
16. What do you mean by Food Security ?

17. Write the names of any two medicinal plants found in J and K with their medicinal importance.
18. What is the location and characteristics of Evergreen Forests ?

Section-C

(Short Answer Type Questions)

3 each

19. Give a brief account of Flash Floods and Riverine Floods.
20. What are the major career opportunities related to the studies of Environmental Science ?
21. "The Earth in the beginning of its origin was a burning hot mass of gases and dust." Write down the sequence of events that turned it into a green planet with blue skies, vast oceans and lush green forests.
22. What are Negative Interactions ? Explain Amensalism with an example.
23. Briefly describe the ecological adaptations of animals in response to temperature variations.
24. Give a brief account of 'Chipko Movement'.
25. Write a short note on Fish as a Resource.
26. What is IPM ? What are its benefits ?
27. What are Biofuels ? What is their importance ? Name any two biofuels.

Or

What are the limitations of Nuclear Energy ?

Section-D

(Long Answer Type Questions)

5 each

28. What is Hydrosere ? Explain it with some suitable examples.

Or

What are Ecological Pyramids ? Name the person who proposed the concept of ecological pyramids first. What are their different types ? Explain any *one* of them with an example.

29. Define Population. What are its characteristics ? With the help of diagrams describe uniform, random and clumped populations.

Or

What is 'Demographic Transition' ? Explain its *four* stages.

30. Name any *two* Water Borne Diseases. Write the causative organism, symptoms, prevention and treatment of any *one* of them.

Or

Name any *two* Air Borne Diseases. Write the causative organism, symptoms, prevention and treatment of any *one* of them.