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Question Paper

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V–36–A

Roll No.

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 ?

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.

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