

MODEL QUESTION PAPER

SUBJECT: - ENVIRONMENTAL SCIENCE

CLASS:- XI

MAXIMUM MARKS: - 70

TIME: - 3 HOURS

LONG ANSWER TYPE QUESTIONS

(4 x 5 marks each)

1. What is conservation tillage? Discuss its advantages in detail.

OR

What is soil conservation? Discuss the various methods of soil conservation.

2. What are ecological interactions? Discuss any three types of negative interactions in detail.

OR

What are biogeochemical cycles? Discuss the function of nitrogen cycle in atmosphere.

3. What is pedogenesis? Discuss the Indian classification of soils in detail?

OR

Discuss in detail, the structure and composition of atmosphere.

4. What factors lead to the extinction of wildlife? Suggest some measures for checking further extinction.

OR

Write a detailed note on the pollution load from non-renewable sources of energy?

SHORT ANSWER TYPE QUESTIONS

(8 x 3 marks each)

5. Define ecosystem and mention all types of ecosystems.
6. Write a note on ecological footprints.
7. Discuss the concept of 3R's in detail.
8. What are the advantages and disadvantages of fertilizers.
9. What is difference between mutualism and proto-cooperation.
10. Briefly describe the causes and effects of desertification.
11. Write a note on rainwater harvesting.

12. What is the difference between food chain and food web?
Give some examples.

VERY SHORT ANSWER TYPE QUESTIONS

(8 x 2 marks each)

13. What is a seed bank?
14. Name any two carbamates.
15. Why plastic bags and containers should not be disposed off by burning?
16. Name any two animals which have become extinct in India?
17. Define ecological niche and its types?
18. What do you understand by a cannibal and a prey?
19. Name any four greenhouse gases.
20. What are the advantages of monoculture?

OBJECTIVES AND MULTIPLE CHOICE QUESTIONS

(10 x 1 mark each)

21. Full form of PAN is _____.
22. World wetland day is celebrated on _____.

23. The reddish colour of red soil is due to the presence of _____.
24. Ozone layer is present in the troposphere layer of stratosphere. (T/F)
25. Trees planted for land conservation should be economically and socially useful. (T/F)
26. Suckers and claws are the adhesive organs in parasites. (T/F)
27. Environment is warmed up by
- Water vapour
 - Dust particles
 - Carbon dioxide
 - All of the above
28. Black colour of the top soil is due to the presence of
- Organic matter
 - Moisture
 - Minerals
 - Air
29. Which of the following countries is the centre of origin of rice
- India
 - China
 - Russia

d. Malaysia

30. Cryopreservation is done at the temperature

a. --- 100°C

b. --- 120°C

c. --- 196°C

d. --- 273°C

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