

AIM MATRIC SCHOOL
XII REVISION TEST - I
BIO-BOTANY

MARKS 50

I. CHOOSE THE CORRECT ANSWER

8X1=8

1. The most widely accepted definition of ecology was given by
a. Ernest Haeckel b. Podum c. R. Mistry d. Reiter
2. Ecology is the study of individual species is called
a. Community ecology b. Auto ecology
b. Species ecology d. Synecology
3. The study of soils is called _____
a. Pedology b. Sandology c. Hydrology d. Ecology
4. Carbon stored in fossil fuel is called _____
a. Green carbon b. Grey carbon c. Blue carbon d. Brown carbon
5. Solar energy used by green plants for photosynthesis is only
a. 2-8% b. 2-10% c. 3-10% d. 2-9%
6. The unit for measuring ozone thickness
a. Joule b. kilos c. Dobson d. watt
7. Indicator of heavy metal contamination
a. Ficus b. Petunia c. Gladiolus d. Robinia pseudoacacia
8. Who is called as Forest man of India?
a. Jadav payeng b. Sudir kumar sopory
b. Panduranga hegde d. Sundarlal bahuguna

II. ANSWER ANY SIX OF THE FOLLOWING

6X2=12

9. Write the difference between habitat and niche.
10. Define Heliophytes and Sciophytes with example.
11. Define Edge effect and Hygrophytes.
12. Explain Energy flow.
13. What is called Detritus food chain.
14. Write the various types of succession.
15. Define Good and Bad ozone.
16. Give five examples of plants cultivated in commercial Agroforestry.

III. ANSWER ANY FIVE OF THE FOLLOWING

5X3=15

17. Write about EIA

18. Write short notes about Biochar.
19. Explain the Ten percent law.
20. Write the significance of food web
21. Write the structure of pond ecosystem
22. What is called thermal stratification? Write its types.
23. Write the anatomical adaptations of mesophytes.

IV. ANSWER ALL THE FOLLOWING

3X15=15

24.a. What is Soil profile? Explain the characters of different soil horizons.

(or)

b. Explain different types of hydrophytes with example.

25.a. What is called sedimentary cycle? Explain phosphorus cycle.

(or)

b. Write the Significance of plant succession.

26a. Explain the GIS and Write its importance.

(or)

b. Write the essay about carbon sequestration and define invasive species give an example.

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- 24.a. What is Soil profile? Explain the characters of different soil horizons.
(or)
b. Explain different types of hydrophytes with example.
- 25.a. What is called sedimentary cycle? Explain phosphorus cycle.
(or)
b. Write the Cause of succession
- 26a. Write the details about Solid waste management and liquid waste management.
(or)
b. What is IUCN? Write about red list categories of IUCN.

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