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SUBJECT CODE NO: - Y-2049
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. S.Y (Sem-III)
Examination March / April - 2023
Botany Paper-VIII Plant Ecology

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

N. B

- 1) Attempt all questions.
- 2) Draw neat & well labeled diagrams wherever necessary.

Q1 What is soil profile? Describe briefly the factors that affect soil formation? 20

OR

Describe the floristic region of India?

Q2 Define the ecosystem. Describe the components of ecosystem? 20

OR

Write short notes (Any Four): -

- a) Food web
- b) Epiphytes
- c) Frequency
- d) Light
- e) Nitrogen cycle
- f) Characteristics of community

Q3 Multiple Choice Questions. 10

1. Which is the abiotic component of an ecosystem _____.
a) Soil b) protein c) carbon d) All of the above
2. Denitrification most takes place in _____.
a) Aerobic b) Anaerobic c) Both d) None of the above
3. Plants grows in day habitats are called as _____.
a) Hydrophytes b) Mesophytes c) Xerophytes d) Helophytes

4. Indian Forest have generally, classified as the basis of _____.
- a) Temperature b) water c) soil d) All of these
5. In grassland ecosystem the pyramids of energy is _____.
- a) Upright b) Inverted c) upright or inverted d) None of these
6. Pedology is the study of _____.
- a) Locomotion of Animal b) soil
c) Rocks d) None of these
7. Water is a _____.
- a) Polar solvent b) Non polar solvent
c) An Amphipathic solvent d) None of these
8. Sunken stomata are found in the leaves of _____.
- a) Nelumbium b) Neem c) Maize d) Nerium
9. Which elements are dependent on biogeochemical cycle?
- a) Carbon b) Nitrogen c) Sulpher d) All of these
10. Physiognomic methods of study of plant communities were given by _____.
- a) Raunkiaer b) Cowles c) Post d) Flashault