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SUBJECT CODE NO: - Y-2031
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (PATTERN-2013) (S.Y SEM III)
Examination April / May - 2024
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) All questions are compulsory.
- 2) Draw diagram whenever necessary.

Q.1 What are xerophytes? Explain Morphological & anatomical adaptation with suitable examples. **20**

OR

Describe in detail water as ecological factor?

Q.2 Explain in brief, soil erosion & soil conservation. **20**

OR

Write a short notes on:- (Any four)

- [A] Pyramid of numbers.
- [B] Biotic factors.
- [C] Alpine forests.
- [D] Phosphorus cycle.
- [E] Community.
- [F] Mangrove vegetation.

Q.3 Multiple choice question:- **10**

- 1) The world environment day is on _____
 - a) 7th August
 - b) 5th June
 - c) 10th April
 - d) 28th February

- 2) A lake ecosystem is
 - a) Artificial
 - b) Abiotic
 - c) Natural
 - d) Hydrological

- 3) Soil Erosion can be prevented by
- Deforestation
 - Afforestation
 - Overgrazing
 - All of these
- 4) An inverted pyramid is ____
- Pyramid of number in a grassland.
 - Pyramid of energy in pond ecosystem.
 - Pyramid of biomass in grassland.
 - Pyramid of biomass in pond ecosystem.
- 5) Food chain refers to
- Number of human forming a chain for food.
 - Animal gathered near a source of food.
 - Transfer of energy from producer to consumer.
 - None of these.
- 6) Halophytes are peculiar in having
- Hanging roots.
 - Velamine tissue.
 - Vivipary
 - Saline water
- 7) Succulent plant grow in
- Tundra.
 - Desert.
 - Tropical rain forest.
 - Temperate deciduous forest.
- 8) Who proposed the term ecosystem
- Gardner.
 - Tansley.
 - Elements.
 - None of these.
- 9) The saprophytic Organism are ____ in food chain.
- Producer
 - Consumers
 - Predators
 - Decomposers
- 10) Which among the following states has a maximum area of forest in India.
- Kerala
 - Assam
 - Tamil Nadu
 - Madhya Pradesh

