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SUBJECT CODE NO:- B-2049
FACULTY OF SCIENCE & TECHNOLOGY
B.Sc. S.Y. (Sem-III)
Examination November/December- 2022
Botany Paper-VIII
Plant Ecology

[Time: 1:30 Hours]

[Max. Marks:50]

Please check whether you have got the right question paper.

- N.B
- i) Attempt all questions.
 - ii) Draw neat & well labeled diagrams wherever necessary.

Q.1 What are Halophytes? Explain morphological and anatomical adaptations with suitable examples. 20

OR

Explain, temperature as ecological factor?

Q.2 Explain Terrestrial Ecosystem in detail? 20

OR

Write short notes on.

- a) Carbone cycle
- b) Abiotic factors
- c) Food web
- d) Pyramids of Biomass
- e) Soil Profile
- f) Ephemeral plants.

Q.3 Multiple choice questions. 10

- 1) Soil formation taking place hot and humid climate is known as _____
 a) Laterization b) Podsolization c) Calcification d) Gleization
- 2) Velamen layer is found in the roots of
 a) Epiphytes b) Saprophytes c) Parasites d) None of above

- 3) Energy flow in Ecosystem is
a) Bidirectional b) Unidirectional c) Multidirectional d) None of above
- 4) Plants found in rock crevices are called
a) Lithophytes b) Chasmophytes c) Psammophytes d) Eremophytes
- 5) Mangrove Vegetation is found in
a) Sunderban b) Dehradun vally c) Kullu vally d) Western Ghats.
- 6) Maintenance of an Ecosystem for longer period requires.
a) Producer b) Consumer c) Decomposer d) All of above
- 7) Submerged Hydrophytes have
a) Dissected leaves b) Air cavities
c) poorly developed vascular tissue d) All of above
- 8) Transfer of food from series of organisms with repeated eating and being eaten is known as
a) Producer b) Food Chain c) Productivity d) None of above
- 9) Tundra Biomes are
a) Tropical b) Subtropical c) Temperate d) Arctic region
- 10) Viviparous germination is found in
a) Hydrophytes b) Xerophytes c) Halophytes d) Mesophytes.