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**SUBJECT CODE NO: - BB-2525**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. (CBCGS)(Pattern 2022) S.Y SEM IV**  
**Examination November / December 2025**  
**Botany-XIII Plant Ecology**

**[Time: 1:30 Hours]****[Max. Marks: 40]**

Please check whether you have got the right question paper.

N. B

1. All questions are compulsory.
2. All questions carry equal marks.
3. Draw neat diagrams & give labelled whenever necessary.

**Q1** Write an assessment of light as an ecological factor, add a note on global radiation. **10**

OR

Write an essay on soil erosion. **10**

**Q2** Explain morphological and anatomical adaptation in hydrophytes with a suitable example. **10**

OR

Write short notes (any two) **10**

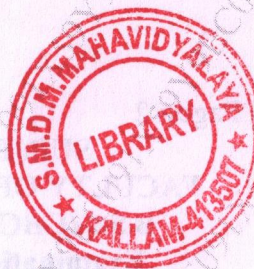
- a) Biogeographical regions of India
- b) Epiphytes
- c) Synecology

**Q3** Write short notes (any two) **10**

- a) Food chain
- b) Biotic components
- c) Community

**Q4** Multiple choice questions. **10**

1. What percentage of Earth's surface is covered by water?  
a) 50%    b) 70%    c) 30%    d) 80%
2. Ecosystem is not \_\_\_\_\_.  
a) Only Abiotic    b) open system    c) Closed system    d) Only climate
3. Main source of energy is \_\_\_\_\_.  
a) Moon    b) Jupiter    c) Mercury    d) Sun
4. Which of the following is the first stage of soil erosion by water?  
a) Rill erosion    b) Sheet erosion    c) Splash erosion    d) Gully erosion
5. Mulching is effective methods against \_\_\_\_\_.  
a) Water erosion    b) Soil conservation    c) Afforestation    d) Dry forming
6. In the atmosphere on the earth the percentage on Nitrogen is \_\_\_\_\_.  
a) 75%    b) 88%    c) 82%    d) 78%
7. The human activities that causes climate change on earth include \_\_\_\_\_.  
a) Burning of forests    b) Agricultural activities  
c) Use of aerosol cans    d) All of these



8. Which of the following plants is ephemeral?  
a) *Acacia nelotica*      b) *Cassia Aura*  
c) *Euphorbia spenders*      d) None of these
9. *Phylloclade* is adaptation in \_\_\_\_\_  
a) xerophytes      b) Epiphytes      c) Halophytes      d) Hydrophytes
10. Hyenas and vultures are \_\_\_\_\_  
a) Scavengers      b) Ominivorans      c) Carnivoress      d) Herbivorans

