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SUBJECT CODE NO: - BNP-2688
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (NEP) (P-2024) S.Y Sem III
Examination November / December 2025
Botany (Plant Ecology)

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

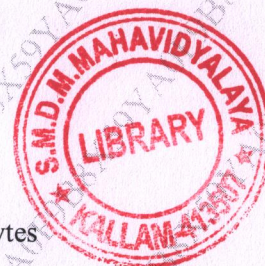
Please check whether you have got the right question paper.

N. B

- i) Question No. 1 is multiple choice objective type and it is compulsory. It carries 10 marks.
- ii) Attempt any four questions from Q.2 to Q.7. Each of these questions carries 5 marks.
- iii) Figures to the right indicate full marks.

PART A**Q1 Attempt all MCQs****10**

1. Which of the following is a biotic factor in an ecosystem?
a) Light b) Temperature c) Water d) fungi
- 2) The soil profile consists of how many main horizons?
a) TWO b) Three c) four d) five
3. Which plants are adapted to survive in saline habitats?
a) Hydrophytes b) xerophytes. c) Halophytes d) Epiphytes
4. The Western Ghats belong to which biogeographical region of India?
a) Indian Desert b) Deccan Plateau c) Western Himalaya d) Malabar
5. The energy flow in an ecosystem is always:
a) Cyclic b) unidirectional c) Reversible d) Random

**PART - B**

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| Q2 Explain the effect of light as an ecological factor on plant growth. | 5 |
| Q3 Discuss the physicochemical Properties of soil. | 5 |
| Q4 Describe the morphological adaptations in xerophytes. | 5 |
| Q5 Write a short note on biogeographical regions of India and their vegetation types. | 5 |
| Q6 Define community. Explain the characteristics of plant community | 5 |
| Q7 Explain the structure of an ecosystem with a diagram of energy flow. | 5 |