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B.M.S. COLLEGE FOR WOMEN, AUTONOMOUS
BENGALURU – 560004
SEMESTER END EXAMINATION – SEPTEMBER- 2023

B.Sc. in Botany – 4th Semester

ECOLOGY AND CONSERVATION BIOLOGY
(NEP Scheme 2021-22 Onwards)

Course Code: BOT4DSC04

Duration: 2 ½ Hours

QP Code: 4018

Max. Marks: 60

Instructions: 1. Answer all the sections.

2. Draw diagrams wherever necessary.

SECTION-A

I. Answer any FIVE of the following. Each question carries TWO marks. (5X2=10)

1. Differentiate between Heliophytes & Sciophytes.
2. Mention any two adaptations of Xerophytes.
3. What is Food chain? Give example.
4. What is ecotone?
5. Name any two Phytogeographical regions of India.
6. Mention any two National Parks.
7. What is Ex-situ conservation?

SECTION-B

II. Answer any FOUR of the following. Each question carries FIVE marks. (4X5=20)

8. Describe Temperature as an ecological Factor.
9. Write a note on Quadrats.
10. Describe theory of Continental Drift.
11. Minamata is a water pollution disaster justify?
12. Cryopreservation.
13. Mention any five Sustainable Developmental Goals in Biodiversity Conservation.

SECTION-C

III. Answer any THREE of the following. Each question carries TEN marks. (3X10=30)

14. Hydrophytes & Xerophytes.
15. Hydrosere.
16. Vavilov's Centre of Origin of Crop Plants.
17. Describe any two Botanical Garden.
18. a. Soil Profile.
b. Freshwater Ecosystem.

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