



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examinations 2022

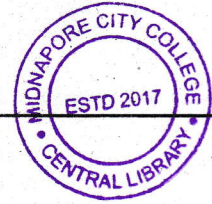
(Under CBCS Pattern)

Semester - IV

Subject : BOTANY

Paper : C 9-P

Plant Ecology and Phytogeography



Full Marks : 20

Time : 3 Hours

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Practical

1. Answer any **one** of the following questions :

10×1=10

- (a) Determine the minimum size and minimum number of the quadrat of a herbaceous vegetation by species area curve method.

Requisition-1+ (Procedure-2, Result-2 and Comment-½) × 2 = 10

- (b) Determination of organic carbon of two different soil samples by Walkley & Black rapid titration method.

(Requisition-1, Procedure-4, Result-4 and Comment-1) = 10

- (c) Cut a thin section of *Cuscuta* stem. Draw and describe the anatomical structure of the stem. Write the ecological adaptive characters of the stem.

(Draw and labeled-3½, Description-3½, Ecological adaptation-3) = 10

P.T.O.

2. Answer any **one** of the following questions :

5×1=5

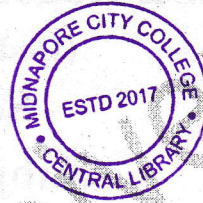
- (a) Write the morphological adaptations of hydrophytes.
- (b) Determine the pH value of soil and water samples by pH meter.

3. (a) Viva voce

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(b) Practical Note Book

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