

**2024**

**M.Sc. 2nd Semester Examination**

**BOTANY**

**PAPER : BOT-296.1**

**(Ecology and Environmental Biology)**

**(Practical)**

*Full Marks : 25*

*Time : 3 hours*

*The figures in the right-hand margin indicate marks.*

Answer **all** questions.

1. Perform quadrat analysis of the mentioned site/chart. Determine frequency, abundance and density of five major plants. 10

**( OR )**

Determine Shannon index, Dominance and Simpson index of the three major plants in the provided site/chart using PAST software.

2. Work out the anatomical features of the supplied specimen. Draw, illustrate and comment on the adaptive features. 7

Determine Stomatal index of three supplied leaf samples (D, E and F). Comment on the adaptive features on them.

3. Laboratory notebook. 3

4. Viva-voce 5

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