

B.Sc. Semester-V Examination, 2022-23**BOTANY**[Honours]

Course ID : 51311

Course Code : SH/BOT/501/C-11

**Course Title : Reproductive Biology of
Angiosperm and Palynology**

Time : 1 Hour 15 Minutes

Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their
own words as far as practicable.*

1. Answer any **five** of the following: $1 \times 5 = 5$
- Write down the definition of Palynology.
 - Name one angiosperm family where pollinia is found.
 - What is cybrid?
 - What is apomixis?
 - What do you mean by pseudomonads?
 - What do you mean by monoecious plant?
 - What is pollen-kit?
 - Write the full form of GSI.

2. Answer any **two** of the following: $5 \times 2 = 10$
- Briefly describe the contribution of G.B. Amici or W. Hofmeister.
 - Differentiate self and cross pollination.
 - Write a short note on pollen wall structure.
 - Write a short-note on the Scope of Palynology.
3. Answer any **one** of the following: $10 \times 1 = 10$
- Describe different contrivances for self-pollination. Define Chalaza. $8+2$
 - Draw a labelled diagram of an embryo sac. Differentiate between microsporogenesis and megasporogenesis. $5+5$