

2025

M.Sc. 3rd Semester Examination

BOTANY

Paper : BOT - 395.1

(Cell Biology, Genetics and Biotechnology)

(Old Syllabus)

(Practical)

Full Marks : 25

Time : Three Hours

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

Group - A

Perform the *tick marked* problem of the following : 10

1. Work out the **Sample A**, show four different divisional stages, draw and describe each of them. $2\frac{1}{2} \times 4$
2. Work out the **Sample B**, show any two divisional stages and describe each of them with the right drawing as shown under microscope. 5+5
3. Work out karyotype from the **Sample C** and comment on it.

P.T.O.

(2)

Group - B

Work out the following problem : 10

4. Perform Chi-square test for the given problem in **Sample D** and comment on the inheritance pattern of the assumed one.
 5. Laboratory note book 2
 6. Viva-voce 3
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