

M.Sc. 4th Semester Examination, 2025

BOTANY

*(Special Paper : Biochemistry and
Molecular Biology)*

[Practical]

PAPER — BOT-495G

Full Marks : 25

Time : 3 hours

The figures in the right hand margin indicate marks

Perform the experiments (Any two from
Q. No. 1 to 5) as indicated by
the tick (√) mark

1. Perform the experiment for quantitative estimation of ascorbic acid in the supplied specimen.

(Requisition-2, Procedure-3, Result-3)

(Turn Over)

2. Perform the experiment for evaluation of seed viability by a reliable biochemical method.
(Requisition-2, Procedure-3, Result-3)
3. Perform the experiment for colorimetric estimation of iron.
(Requisition-2, Procedure-3, Result-3)
4. Extract and estimate the amount of sugar present in supplied plant specimen.
(Requisition-2, Procedure-3, Result-3)
5. Perform the experiment for separation of phenolic compounds in the supplied specimen by thin layer chromatography.
(Requisition-2, Procedure-3, Result-3)
6. Laboratory Notebook. 4
7. Viva-voce. 5