

**M.Sc. 4th Semester Examination, 2025**

**BOTANY**

( Special Paper on *Molecular Biology  
and Biotechnology* )

[ Practical ]

PAPER – BOT-495C

*Full Marks : 25*

*Time : 3 hours*

**Answer all questions**

*The figures in the right hand margin indicate marks*

1. Answer the tick marked questions from the following : 10

(a) Perform the quantitative analysis of the supplied protein(s) and comment on the result(s).

( Turn Over )

- (b) Demonstrate the tissue culture practice as instructed in the supplied card.
- (c) Quantitate the supplied DNA content(s) and draw inference on the result(s).
- (d) Estimate manually the molecular weight of the marked protein band(s) in the supplied material.
2. Perform the supplied statistical analysis. 8
3. Practical Note Book 2
4. Viva-voce. 5
-