

2025

M.Sc. 1st Semester Examination

BIOTECHNOLOGY

Paper : BITC405X8

[Molecular Biology]

(Practical)

Full Marks : 25

Time : Two Hours

The figures in the margin indicate full marks.

Answer *all* the questions.

1. Isolate the bacterial genomic DNA with the supplied bacterial culture (A). Resolve the isolated DNA in agarose gel.
[Principle-2, Procedure-3, Result-3, Comments-2] 10
 2. Determine the melting temperature of DNA (sample B/C) by UV melting curve analysis method.
[Principle-1, Process-2, Result-2] 5
 3. Laboratory Notebook 5
 4. Viva-voce 5
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