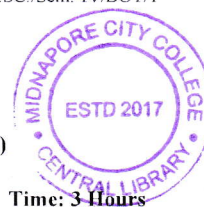


PG (CBCS)
M.Sc. Semester-IV Examination, 2026
BOTANY
PAPER: BOT 408 C
(MOLECULAR BIOLOGY & BIOTECHNOLOGY)



Full Marks: 25

Time: 3 Hours

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

Answer all of the following questions:

- | | |
|--|----|
| 1. Extract the DNA from the supplied leaf sample A ₁ / A ₂ /A ₃ and confirm the presence of DNA by gel electrophoresis. | 10 |
| 2. Analyze the supplied data sheet B ₁ / B ₂ / B ₃ / B ₄ and draw the conclusion. | 6 |
| 4. Laboratory Note Book | 4 |
| 4. <i>Viva-voce</i> | 5 |

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