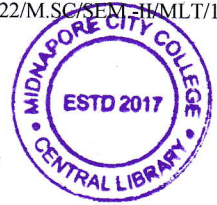


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**PG (CBCS)**  
**M.Sc. Semester- II Examination, 2023**  
**MEDICAL LABORATORY TECHNOLOGY**  
**PAPER: MLT 296**

**(MICROBIOLOGY & MOLECULAR BIOLOGY)**

**Full Marks: 50**

**Time: 4 Hours**

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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.

1. Identify the supplied sample (A or B) by following Gram staining process. 15  
(Principle: 3; Procedure: 3; Work: 5; Drawing: 2; Interpretation: 2)
2. Identify the supplied bacterial sample (C or D) by performing systematic biochemical test. 15  
(Principle: 4; Procedure: 4; Work: 5; Interpretation: 2)
3. Practical note book. 10
4. Viva voce/oral. 10

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