

M.Sc. 3rd Semester Examination, 2023

BML

(Biomedical Laboratory Science and Management)

(Practical)

PAPER — 396

Full Marks : 50

Time : 4 hours

Answer all questions

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

1. Write the principle and clinical utility of antibiotic susceptibility testing (AST). Write the panel of antibiotics used for Gram-negative bacteria. Measure the zone of inhibition of antibiotics in supplied AST agar plates and interpret the test results. 5 + 5 + 5 + 5

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| 2. Demonstrate any one of the following | 10 |
| (a) Agar plate streaking | |
| (b) Cotton plugging of conical flask | |
| (c) Aseptic culture techniques | |
| 3. Viva-voce. | 10 |
| 4. Laboratory note book. | 10 |
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