

M.Sc. 3rd Semester Examination, 2024
BIO-MEDICAL LABORATORY SCIENCE
AND MANAGEMENT

(Practical)

PAPER — BML-396

Full Marks : 50

Time : 4 hours

Answer all questions

The figures in the right hand margin indicate marks

- 1. How will you differentiate between *Escherichia coli* and *Klebsiella* spp. by microscopic observation, colony morphology and biochemical tests. Elaborate through the work flow as per diagnostic microbiology laboratory. 15**

2. Perform the direct Gram stain with the supplied urine specimen. 15
(Principle : 4, Methodology : 4, Observation : 3, Interpretation :4)
3. Viva-voce. 10
4. Laboratory Note Book. 10
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