

M. Sc. 1st Semester Examination, 2024

MICROBIOLOGY

(Enumeration & Identification of Microbes)

(Practical)

PAPER – MCB-109

Full Marks : 25

Time : 2 hours

Answer all questions

The figures in the right hand margin indicate marks

1. Enumerate the coliform load in the supplied water sample using selective media. 6
[Work-3; Calculation and Result-3]
2. Identify the unknown supplied Microbial sample P and Q from permanent slide. 2 × 2

(Turn Over)

(2)

3. Perform the Indole production test of supplied bacterial sample. 5

Or

4. Perform the Methyl Red (MR) Test of supplied bacterial sample.

[Principle-2; Work-1; Result-2]

5. Laboratory Note Book. 2
6. Viva-voce. 3
7. Internal Assessment 5

M. Sc. 1st Semester Examination, 2024

MICROBIOLOGY

(Microbial Growth and Preservation)

(Practical)

PAPER — MCB-110

Full Marks : 25

Time : 8 hours

Answer all questions

The figures in the right hand margin indicate marks

- 1. Study the effect of selective supplied supplement on bacterial growth. 10**
[Principle : 2; Result : 6; interpretation : 2]

2. Demonstrate the effectiveness of alcohol as skin disinfectant using selective culture media. 5
[Principle : 2; Result and interpretation : 3]
3. Laboratory Note Book 2
4. Viva-voce 3
5. Internal Assessment. 5

