

M.Sc. 3rd Semester Examination, 2024

MICROBIOLOGY

(Practical)

PAPER — MCB-395.1

Full Marks : 25

Time : 2 hours

Answer **all** questions

The figures in the right hand margin indicate marks

GROUP—A

Attempt **all** questions from the following : 15

1. (a) Identify any WBC (Monocyte/ Eosinophil/ 3-lobed neutrophil/ large lymphocyte) the supplied from blood sample by using Leishman stain.

(Proper identification : 5 + Draw & labeling : 2)

(Turn Over)

(2)

(b) Determine the differential count of WBC in blood sample.

Or

(c) Estimate the quantity of sugar in the supplied blood sample.

[Principle : 2 + Result : 5 + Interpretation : 1]

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|------------------------------|---|
| 2. (a) Laboratory note book. | 2 |
| (b) Viva-voce. | 3 |

GROUP-B

- | | |
|------------------------|---|
| 5. Internal assessment | 5 |
|------------------------|---|

Total Pages—2

PG/IIIS/MCB/395.2/24(Pr.)

M.Sc. 3rd Semester Examination, 2024

MICROBIOLOGY

(Diagnostic Microbiology)

(Practical)

PAPER – MCB-395.2

Full Marks : 25

Time : 10 hours

Attempt all questions

The figures in the right hand margin indicate marks

GROUP – A

1. Perform the Indole test, Oxidase test/ Voges-Proskauer test, Catalase test of the supplied microbial sample. 5
(Performance – 3, Result and comment – 2)

(Turn Over)

(2)

2. Enumerate the bacterial load in supplied urine sample. 10
(Principle – 3, Performance – 4, Result and comment – 3)
3. Laboratory note book. 2
4. Viva-voce. 3

GROUP – B

5. Internal assessment 5
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