

M.Sc. 4th Semester Examination, 2024

MICROBIOLOGY

(Practical)

PAPER--MCB-493.1

Full Marks : 25

Time : 6 hours

Answer all questions

The figures in the right hand margin indicate marks

1. Determine the coliform bacterial load of the supplied water sample. 7

Or

Determine the Focal bacterial load of the supplied water sample.

(Principle--3, Working--2, Result--2)

2. Determine the dissolved oxygen level of the supplied water sample.
(Principle—3, Procedure—2, Result—3) 8
 3. Laboratory Note book. 2
 4. Viva voce. 3
 5. Internal assessment. 5
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M.Sc. 4th Semester Examination, 2024

MICROBIOLOGY

(Practical)

PAPER—MCB-493.2

Full Marks : 25

Time : 6 hours

Answer **all** questions

The figures in the right hand margin indicate marks

1. Compare the level of amylase activity from the culture of submerged and solid state fermentation. 10
[Procedure—4, Result—4, Inference—2]
2. Determine the bacterial load/ organic acid content in the supplied curd sample. 5
Performance—3, Result—2].

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| 3. Laboratory Note book. | 2 |
| 4. Viva-voce. | 3 |
| 5. Internal assessment. | 5 |
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