

2025

M.Sc. 3rd Semester Examination

BOTANY

Paper : BOT - 309E

(Microbiology : Basic)

(Practical)

(New Syllabus)

Full Marks : 25

Time : 6 Hours (in 2 days)

The figures in the margin indicate full marks.

Answer the following questions (principle, requisition, result and conclusion to be written in the answer script):

1. Find out fermentative ability of supplied bacteria (S) in the supplied sugar samples (A, B and C).

Or

Determine starch hydrolyzing ability of the supplied bacterial strain (P).

Or

Determine portability of supplied water sample (W) through MPN test. 8

2. Find out number of bacteria present in supplied sample (Q) through spread plate method.

P.T.O.

(2)

Or

Determine sensitivity of the supplied bacteria (M) against supplied antibiotic (X) through agar cup method. 10

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| 3. Laboratory note book | 2 |
| 4. Report of field visit | 1 |
| 5. Viva-voce | 4 |
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