

M.Sc. 1st Semester Examination, 2023

BOTANY

(Microbiology Practical)

(Practical)

PAPER – BOT-195.1

Full Marks : 25

Time : 3 hours

Answer all questions

The figures in the right hand margin indicate marks

1. Comment on the gram nature of the supplied bacterial sample 'A'. 10
[Principle:2; Work:3; Result:2, Figure & Comment:3]

2. Comment on the nature of bacterial endospore in supplied sample 'B'. 9
[Principle:2; Work:3; Result:2, Figure & Comment:2]

Or

Perform antibiotic sensitivity assay with the provided sample 'C' for the supplied bacterial sample 'D'.

[Principle:2; Work:3; Result:2, Comment:2]

3. Laboratory note book and field report. 2 + 1
4. Viva Voce 3

M.Sc. 1st Semester Examination, 2023

BOTANY

(Phycology and Bryology)

(Practical)

PAPER — 195.2

Full Marks : 25

Time : 2½ hours

Answer all questions

The figures in the right hand margin indicate marks

1. Work out the **Sample A**, identify any one algal genus out of that, display under microscope, draw and describe that. 2 + 2 + 2

2. Work out the **Sample B Draw, Label,**
describe and identify the supplied specimen.
2 + 2 + 2
 3. Identify the **Specimens C and D** with
reasons. 2 + 2
 4. Laboratory note books & Field Report
2 + 2 + 2
 5. Viva voce 3
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