

PG CBCS
M.Sc. Semester-I Examination, 2020
BOTANY
PAPER: BOT 195
MICROBIOLOGY , PHYCOLOGY & BRYOLOGY

Full Marks: 50**Time: 4 Hours**

Write the answer for each unit in separate sheet

BOT 195.1
MICROBIOLOGY

1. Answer the questions from:

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|------|--|-----|
| I. | Write principle and procedure of Gram staining. | 3+5 |
| II. | Write notes on laminar air flow and BOD incubator. | 5+5 |
| III. | Write the principle and procedure of antibiotic sensitivity assay. | 2+5 |

BOT 195.2
PHYCOLOGY & BRYOLOGY

2. Answer the questions:

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|------|---|-----|
| I. | Describe the thallus organization of Xanthophyceae. Write down the identifying characters of <i>Oedogonium</i> ? | 5+5 |
| II. | Describe the antheridia and archegonia of <i>Marchentia</i> sp. Write the identifying characters of <i>Marchentia</i> sp. | 6+4 |
| III. | Draw the sporophytic structure of <i>Funaria</i> sp (LS). | 5 |
