

2019

BOTANY — HONOURS — PRACTICAL

Paper : CC-1P

Full Marks : 30

The figures in the margin indicate full marks.

1. Work out the morphology of the vegetative and reproductive structure(s) of the supplied specimen 'A'. Draw free hand labelled sketch(s). Make labelled drawing prism sketch(s) of the reproductive structure(s) showing magnification. Name the genus with identifying characters. 1+2+2+1+½+1½
 2. Make a Gram stained preparation of specimen 'B'. Draw and comment on the morphology and gram nature of the specimen. Leave your preparation. 2+1+1
 3. Identify the specimens 'C' and 'D' with reasons. 2+2
 4. Classroom performance : 8
 - Laboratory record / notebooks : 2
 - Slides : 2
 - Algal Specimens : 2
 - Field notes : 2
 5. Viva voce. 6
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2019

BOTANY — HONOURS — PRACTICAL

Paper : CC-2P

Full Marks : 30

The figures in the margin indicate full marks.

1. Work out the morphology of the supplied specimen 'A'. Draw suitable labelled sketches of the specimen. Measure any one of the reproductive structures. Name the genus with identifying characters. 1+2+1½+½+1
 2. Write down the requirements and demonstrate the aseptic techniques as per given (B1/B2). 2+2
B1 : Inoculation of fruit.
B2 : Isolation of pathogen from diseased leaf.
 3. Identify the specimens C, D, E, and F with two proper reasons. 1½×4
 4. Classroom performance : 8
Laboratory notebooks : 2
Slides : 2
Field study records / field notebook : 2
Submission of specimens : 2
 5. Viva voce. 6
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DR. KANAILAL BHATTACHARYYA COLLEGE

B.Sc. Honours Practical Examination (CBCS system) – 2020

Semester- I

Subject- Botany

Paper: CC- 1 (Phycology and Microbiology)

Time: 1 hr 30 min (11:00 A.M – 12:30 P.M)

Date: 12.3.2021

Full marks- 30

1. Draw free hand sketch and label the reproductive structures of *Chara* sp. Describe the reproductive structures of the genus. State the genus identifying characters. (2+2+4+2)
2. Write the procedure of slide preparation for Gram staining from bacterial culture. Draw free hand drawing and label the observed result and comment on the morphology and Gram nature of bacteria found. (5+1+1+3)
3. Write the identifying characters of the following:- (2×5)

Sargassum, Laminaria, Centric Diatom, Vaucheria, Volvox

DR. KANAILAL BHATTACHARYYA COLLEGE

PRACTICAL EXAMINATION - 2021

SEMESTER - I

BOTANY (HONOURS)

PAPER – CC2 (MYCOLOGY AND PHYTO-PATHOLOGY)

Date – 13 – 03 – 2021

Time – 11A.M – 12:30P.M

Time – 1:30Hr

F.M – 30

Answer the following questions

3X10

1. Write requirements for isolation of pathogen from diseased leaf. How pathogen is isolated from diseased leaf (brief description only)? 4+6
2. What are the main composition of Lacto phenol & cotton blue? Draw a labelled diagram of *Ascobolus* reproductive structure. Make some comments on its reproductive structure. 3+5+2
3. Identify the followings with reason 2X5

