

B.Sc. Semester - 5 (CBCS) Examination

December - 2020 (Old Course)

CRYPTOGAMIC BOTANY AND PLANT PATHOLOGY(CORE)

Time: 1:30 Hours

Marks: 42

Instructions:

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

-
- Q.1(A) Answer in detail (Any 1 out of 2) (07)
1. Describe sexual reproduction in *Caulerpa*.
- OR
2. Describe sex organs of *Chara*.
- Q.1(B) Answer in brief (Any 1 out of 2) (04)
1. Give the classification of *Coleochetae* with reasons
- OR
2. Explain cell structure of *Ectocarpus*.
- Q.1(C) Answer the following Objective type question (Any 3 out of 5) (03)
1. What type of life cycle is met in *Chara*?
 2. *Ectocarpus* containdominant pigment.
 3.species of *Chara* shows vegetative reproduction by amorphous bulbils.
 4. *Caulerpa* belongs toorder.
 5. The common name of *Chara*
- Q.2(A) Answer in detail (Any 1 out of 2) (07)
1. Describe- Apothecium of *Peziza*.
- OR
2. Explain life cycle of *Alternaria*.
- Q.2(B) Answer in brief (Any 1 out of 2) (04)
1. Classify *Peziza* with reason.
 2. Write vegetative structure of *Alternaria*.
- Q.2(C) Answer the following Objective type questions (Any 3 out of 5) (03)
1. *Alternaria* belongs to which fungal classes?
 2. Which fungus is known as cup fungi?
 3. Write the occurrence of *Peziza*.
 4. Mention true or false: is *peziza* is parasitic fugus.
 5. Draw a labeled diagram of conidia of *Alternaria*.
- Q.3(A) Answer in detail (Any 1 out of 2) (07)
1. Explain internal structure of *Sphagnum* sporophyte.
- OR
2. Describe *Pellia* sex organs.
- Q.3(B) Answer in brief (Any 1 out of 2) (04)
1. Explain internal structure of *Pellia* thallus.
- OR
2. Draw a labeled diagram of *Sphagnum* leaf.
- Q.3(C) Answer the following Objective type questions (Any 3 out of 5) (03)
1. What is Operculum?
 2. Explain the term – Coma.
 3. Give the name of cells which are generally found in *Sphagnum* leaf.
 4. Which bryophytes prossess basal elaterophore?
 5. The capsule of *Pellia* dehisces info:
- Q.4(A) Answer in detail (Any 1 out of 2) (07)
1. Explain internal structure of *Marsilea* sporocarp.
- OR
2. Describe – *Ophioglossum* root.

- Q.4(B) Answer in brief (Any 1 out of 2) (04)
1. Explain internal structure of *Ophioglossum leaf*.
 2. Write the morphology of *Marsilea*.
- Q.4(C) Answer the following Objective type questions (Any 3 out of 5) (03)
1. *Marsilea* is generally found inhabitats.
 2. What is the scientific name of giant horsetails?
 3. What type of stele is found in *Marsilea* rhizome?
 4. *Phioglossm* belongs toorder.
 5. Mention True of False : *Marsilea* is a heterosporous pteridophytes.
- Q.5(A) Answer in detail (Any 1 out of 2) (07)
1. Describe Tikka disease of groundnut.
- OR
2. Describe the symptoms, causal organism and control of Leaf curl of Papaya.
- Q.5(B) Answer in brief (Any 1 out of 2) (04)
1. Write important symptoms of Citrus canker.
- OR
2. Write controlling measures of Red rot of sugarcane.
- Q.5 (C) Answer the following Objective type questions (Any 3 out of 5) (03)
1. Write early symptoms of Red rot of Sugarcane.
 2. Disappearance of chlorophyll in infected plants is called
 3. Mention True or False : More or less circular, rough or crustaceous lesion developed on infected parts are known as rust.
 4. Write the causal organism of whip smut of sugarcane.
 5. Define – Smut.
