647510 **BSCcryCC5010** **Seat No :_____**

B.Sc. Semester - 5 (Remedial) (*CBCS*) Examination
Feb/Mar. -2021 (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 the following objective type questions: (Any 3 out of 5) (03)

1. The oogonium of *Chara* is also known as …….
2. Caulerpa contain ……..distinctive xanthophylls pigment.
3. ……..species of *Chara* shows vegetative reproduction by amorphous bulbils.
4. The cell wall of *Ectocarpus,* is composed of:
5. The long colourless neck of Coleochetae archegouia is known as…….

Q.1(B) Answer in brief: (Any 1 out of 2) (04)

1. Give the classification of *Caulerpa* with reasons.

OR

2. Explain asexual reproduction in Coleochetae.

Q.1(C) Answer in detail: (Any 1out of 2) (07)

1. Describe asexual reproduction in Ectocarpus.

OR

2. Describe sex organs of *Chara.*

Q.2(A) Answer the following objective type questions: (Any 3 out of 5) (03)

1. Fruiting body of *Peziza* is called……
2. Which fungus is known as cup fungi?
3. Which type of spore is produced during asexual reproduction of *Peziza*?
4. Mention true or false: *Peziza* is parasitic fugus.
5. Black point disease in wheat is caused by……

Q.2(B) Answer in brief: (Any 1out of 2) (04)

1. Classify the *Peziza* and its life cycle with the help of schematic presentation only.

OR

2. Write vegetative structure of *Alternaria*.

Q.2(C) Answer in detail: (Any 1 out of 2) (07)

1. Describe – Apothecium of *Peziza*.

OR

2. Explain sexual reproduction in Alternaria.

Q.3(A) Answer the following objective type questions: (Any 3 out of 5) (03)

1. Mention true or false: In *Pellia,* the monoecious species are protandrous.
2. Explain the term- Coma.
3. Which cells have remarkable capacity of absorbing water in Sphagnum leaf?
4. Name two species of *Pellia* Found of India.
5. The capsule of Pellia dehisces into:

Q.3(B) Answer in brief: (Any 1 out of 2) (04)

1. Explain internal structure of Sphagnum axis.

OR

2. Write a note on *Pellia* archegonia.

Q.3(C) Answer in detail: (Any 1 out of 2) (07)

1. Explain internal structure of Sphagnum sporophyte.

OR

2. Write the external and internal structure of *Pellia* thallus.

Q.4(A) Answer the following objective type questions: (Any 1 out of 5) (03)

1. In *Cingularia*,bracts were present……..the sporangiophores.
2. Spore producing organ of *Marsilea* is known as:
3. What type of stele is found in Ophioglossum root?
4. How many flagella are present in each antherozoid of Ophioglossum?
5. Ophioglossum belogs to…….order.

Q.4(B) Answer in brief (Any 1 out of 2) (04)

1. Explain internal structure of *Marsilea* root.

OR

2. Write the morphology of *Rhynia*.

Q.4(C) Answer in detail (Any 1out of 2) (07)

1. Explain internal structure of *Marsilea* petiole.

OR

2. Describe *Ophioglossum* spike.

Q.5A) Answer the following objective type questions (Any 3 out of 5) (03)

1. Write main symptoms of Leaf curl of Papaya.
2. Disappearance of chlorophyll in infected plants is called……..
3. The disease symptoms give a burnt appearance in:
4. Write the causal organism of whip smut of sugarcane.
5. Define – Necrosis.

Q.5(B) Answer in brief (Any 1 out of 2) (04)

1. Write important symptoms of Tikka disease of groundnut.

OR

2. Write controlling measures of Leaf curl of Papaya.

Q.5(C) Answer in detail (Any 1 out of 2) (07)

1. Describe Red rot of sugarcane.

OR

2. Describe the symptoms, causal organism and control of Citrus canker.

****