

U.G. 2nd Semester Examination - 2022**BOTANY****[HONOURS]****Course Code : BBOTCCHC201****Course Title : Mycology and Phytopathology**

Full Marks : 30

Time : 2 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.**Provide neat diagrams wherever necessary.*

1. Answer any **ten** of the following questions:
1×10=10
- What is zygospore?
 - Name two antifungal antibiotics.
 - What are the symptoms caused by T.M.V.?
 - Write the composition of Bordeaux mixture.
 - What is Endomycorrhiza?
 - Which fungus is known as *Drosophila* of Fungal World?

- What is acervulus?
- Write the scientific name of baking yeast.
- What is the role of quarantine?
- Write the scientific name of causal organism of Citrus canker.
- Name 2 phosphate solubilizing Fungi.
- Define VAM.
- What is lomasome?
- What is the composition of fungal cell wall?
- Name the causal organism of the potato wart disease.

2. Answer any **five** from the following questions:
2×5=10
- What is disease cycle? Give example.
 - What is systematic fungicide? Give one example.
 - Describe clamp connection with a suitable diagram.
 - Give one example each of viral and bacterial disease of plants?

- e) What are hypoplastic and hyperplastic symptoms?
- f) Mention the differences between uredospore and teleutospore.
- g) Write two economic importance of lichen?
- h) What is cephalodium? Where does it occur?

3. Answer any **two** from the following questions:

$$5 \times 2 = 10$$

- a) Write down the symptoms, disease cycle and disease control mechanism of White Rust disease of Cruciferae plant. 5
- b) What do you mean by polymorphic fungi? Discuss briefly on different types of spores of a 'rust fungi'. 1+4
- c) Briefly describe the chemical and biological control agents of plant diseases. $2\frac{1}{2} + 2\frac{1}{2}$
