

U.G. 2nd Semester Examination - 2021**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
- Name one aquatic fungus.
 - What are heteroecious fungi? Give an example.
 - What is sterigmata?
 - Define chlamydospore. In which Fungus does it occur?
 - Name one edible fungus of Ascomycota.
 - Define coenocytic hyphae.

- What are Corticolous lichens? Give an example.
- Name the causal organism of Early blight of potato.
- Define hypertrophy.
- Which fungus is used for fermentation of cheese?
- Define ectomycorrhiza.
- What is heterothallism? Where does it occur?
- Which antibiotic is known as "wonder drug"? Name one fungus which produces this antibiotic.
- What are cyphellae?
- Name one fungus which causes human diseases.

2. Answer any **five** from the following questions:
2×5=10
- Write the differences between eucarpic and holocarpic fungi.
 - What is dolipore septum? Where do you find it?
 - Write the symptoms of loose smut of wheat.

- d) Differentiate between Homoisomerous and Heteromerous lichens.
- e) How diplanetism differs from polyplanetism?
- f) Distinguish between phycobiont and mycobiont.
- g) What are woronin bodies? Where do you find them?
- h) Define parasexual cycle. How it differs from sexual cycle?

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

$$5 \times 2 = 10$$

- a) Write down the role of fungi in agriculture.
- b) Classify the lichens on the basis of their fungal partner.
- c) Write a short note on different types of sexual fruiting bodies of Ascomycota.
