

**B. Sc. Honours Examination
(Under CBCS Pattern)
Semester: II
Sub: Botany
Paper: CC3 (Theory and Practical)
(Mycology and Phytopathology)**

Part A: Mycology and Phytopathology(Theory)

Answer any **one question** from the following (Within 200 words):

1. Differ hypertrophy and hyperplasia. Describe the fruit body of *Agaricus*.
2. Write the life cycle of *Saccharomyces cerevisiae*.
3. What do you mean by macrocyclic rust and micro cyclic rust? Describe the fruit body of *Peziza*.
4. Write the economic importance of fungi.
5. Describe the development of ascus and ascospore.
6. Differ the autoecious rust and heteroecious rust. What is bioluminescence?
7. What is fruit body? Mention only different types of fruit body in Ascomycotina
8. What do you mean by Buller phenomenon? What is Buller drop?
9. Describe the development of zygosporangium of *Rhizopus*
10. What is mycorrhiza? Mention the significance of mycorrhiza.

Part B: Mycology and Phytopathology(Practical)

Answer any **one question** from the following (Within 200 words):

1. Draw and label the asexual reproductive structure of *Rhizopus*.
2. Draw and label the transverse section of the fruit body of *Peziza*
3. Draw and label the asexual reproductive structure of *Penicillium*.
4. Mention the identifying characters of *Alternaria*.
5. Draw and label the thallus structure of Lichen
6. What are the symptom of early blight of potato?
7. Draw and describe the pycnia of black stem rust disease of wheat.
8. Draw and describe the symptom of Citrus Canker.
9. Draw and label the causal organism of tobacco mosaic disease of tobacco.
10. Differentiate the ecto and Endomycorrhiza with a suitable diagram.