

**PG CBCS**  
**M.Sc. Semester-I Examination, 2020**  
**BOTANY**  
**PAPER: BOT 196**  
**MYCOLOGY & PLANT PATHOLOGY, PTERIDOPHYTES & GYMNOSPERMS**

**Full Marks: 50****Time: 4 Hours**

**Write the answer for each unit in separate sheet**

**BOT 196.1**

**MYCOLOGY & PLANT PATHOLOGY**

**1. Answer the questions from:**

- I. Write down the identifying characters of Ascomycota? Draw and discuss reproductive structures of *Peziza* sp. 6+4
- II. Draw and describe the different types spores found in *Puccinia graminis*. 10
- III. Mention the procedure of isolation of yeast from fruit samples. 5

**BOT 196.2**

**PTERIDOPHYTES & GYMNOSPERMS**

**2. Answer the questions:**

- I. Write down the identifying characters of *Calamities* sp. and *Lepidocarpon* sp. 10
- II. Diagrammatically describe the soral characters of *Pteris*. Mention its systematic position. 8+2
- III. Diagrammatically describe the anatomy of *Pinus* needle. 5

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