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(FYUGP)

(2nd Semester)

BOTANY

(MAJOR)

Paper : BCC-03

(Mycology and Phytopathology)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

*The figures in the margin indicate full marks
for the questions.*

- 1.** Write a note on origin, thallus organization and cell wall composition of true fungi. 15

Or

Write notes on the following : $7\frac{1}{2} \times 2 = 15$

- (a) Occurrence and types of plasmodia
(b) Endomycorrhiza and their significance

(2)

2. Give an illustrated account on the life cycle of Rhizopus with diagram. 15

Or

Write notes on the following : $7\frac{1}{2} \times 2 = 15$

- (a) Thallus organization in Oomycota
- (b) Life cycle of Synchytrium

3. Write a detailed note on the life cycle of Saccharomyces. 15

Or

Write notes on the following : $7\frac{1}{2} \times 2 = 15$

- (a) Application of fungi in food industry
- (b) General characteristics of Ascomycota

4. What is phytopathology? Write a complete note on citrus canker and damping off disease. $2 + 6\frac{1}{2} + 6\frac{1}{2} = 15$

Or

Write notes on the following : $7\frac{1}{2} \times 2 = 15$

- (a) Host-pathogen relationship
- (b) Papaya mosaic viruses

(3)

5. Write a note on general characteristics and types of fruiting bodies of allied fungi. 15

Or

Write notes on the following : $7\frac{1}{2} \times 2 = 15$

- (a) Application of fungi in agriculture
- (b) Disease cycle and environmental relation

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