

2025

(FYUGP)

(2nd Semester)

BOTANY

(MINOR)

Paper : BCC/M-02

(Mycology and Phytopathology)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

(PART : B—DESCRIPTIVE)

(Marks : 50)

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

1. Explain the cell wall structure and mode of nutrition in fungi. 5+5=10

Or

Write short notes on the following : 5×2=10

~~(a)~~ Slime molds

(b) Asexual and sexual reproduction of lichen

2. Illustrate the life cycle of *Synchytrium* with diagram. 8+2=10

Or

Write short notes on the following : 5×2=10

- (a) Characteristic feature of Oomycota
(b) Thallus structure of *Phytophthora*

3. Explain the life cycle of *Puccinia*. 10

Or

Write short notes on the following : 5×2=10

- (a) Bioluminescence
(b) Parasexuality

4. Write short notes on the following : 5×2=10

- (a) Mycofungicides
(b) Industrial use of fungi

Or

Describe the role of fungi in nanotechnology. 10

5. Describe the different plant quarantine methods in disease control. 10

Or

Write notes on the following : 5×2=10

- (a) Damping-off disease
(b) General symptoms of plant diseases
