

B.Sc. CBCS Pattern Semester-VI
012C - Botany-I : Mycology and Plant Pathology-I

P. Pages : 2

Time : Three Hours



GUG/W/23/13329

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw well labelled diagrams wherever necessary.

1. Write notes on:

- a) IARI. 5
b) General characteristics of Fungi. 5

OR

Write short notes on:

- c) Objectives of Mycology. 2½
d) Classification of Fungi by G.C. Ainsworth, 1973 (Outline only). 2½
e) VINSTROM. 2½
f) Characteristics of sub-division Zygomycotina. 2½

2. Write notes on:

- a) Heterothallism. 5
b) Fungal cell wall and its function. 5

OR

Write short notes on:

- c) Heterokaryosis. 2½
d) Characteristics of fungal spores. 2½
e) Types of fungal spores based on motility. 2½
f) Homothallism. 2½

3. Write notes on:

- a) Classification of plant diseases on the basis of Symptoms caused by fungi. 5
b) Sterilization. 5

OR

Write short notes on:

- c) Koch's postulate. 2½
- d) Importance of plant diseases. 2½
- e) Culture Media. 2½
- f) Field observation. 2½

4. Write notes on:

- a) Enzyme in plant diseases. 5
- b) Plant quarantine. 5

OR

Write short notes on:

- c) Phytotoxin. 2½
- d) Impact of temperature in plant diseases. 2½
- e) Defensive role of natural openings. 2½
- f) Biological control of plant diseases. 2½

5. Write **any ten** question in one or two lines only. (Diagrams are not necessary). 10

- a) Mycelium.
- b) Mycologist.
- c) Sac Fungi.
- d) Chlamydospores.
- e) Conidiospores.
- f) Parasexuality.
- g) Disease.
- h) Inoculation.
- i) Pathogen.
- j) Symptoms.
- k) Tyloses.
- l) Necrotrophs.
