

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

P. Pages : 2

Time : Three Hours



GUG/S/23/13329

Max. Marks : 50

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

- 1.** Write on:
- a) IARI 5
 - b) Classification of Fungi (G.C. Ainsworth 1973). 5

OR

Write short notes on:

- c) Objectives of Mycology. 2½
 - d) Subdivision - Deuteromycotina. 2½
 - e) VINSTROM. 2½
 - f) General characters of fungi. 2½
- 2.** Write on:
- a) Parasexual cycle in fungi. 5
 - b) Types of fungal spores, based on spore production structure & Motility. 5

OR

Write short notes on:

- c) General characteristics of fungal spores. 2½
 - d) Function of fungal cell wall. 2½
 - e) Fungal cell wall composition. 2½
 - f) Heterothallism. 2½
- 3.** Write on:
- a) Classification of plant diseases. 5
 - b) Koch's Postulates. 5

OR

Write short notes on:

- c) Importance of Plant diseases. 2½
- d) Culture media. 2½
- e) Pure culture (Purification) 2½
- f) Sterilization. 2½

4. Write on:

- a) Enzymes in Plant diseases. 5
- b) Defense Mechanisms in plants. 5

OR

Write short notes on:

- c) Phytotoxins. 2½
- d) Effect of Temperature on Plant diseases. 2½
- e) Biological control of Plant diseases. 2½
- f) Plant quarantine. 2½

5. Write on the following in two or three line only **any ten**. (Diagram not necessary). 10

- a) Club fungi.
- b) Hyphae.
- c) Father of Mycology.
- d) Sporangiphore.
- e) Chlamyospores.
- f) Homothallism.
- g) Pathogen.
- h) Rust.
- i) Inoculation.
- j) Systemic fungicide.
- k) Pathotoxin.
- l) Symptoms.
