

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

P. Pages : 2

Time : Three Hours



GUG/W/22/13329

Max. Marks : 50

1. Write on :
- a) Give an outline classification of Fungi proposed by G. C. Ainsworth, 1973. 5
 - b) General characteristics of fungi. 5

OR

Write notes on :

- c) Characters of Mastigo-mycotina. 2½
- d) VINSROM 2½
- e) Objective of Mycology. 2½
- f) Characters of Deuteromycotina. 2½

2. Write on :
- a) Chemical composition of fungal cell wall and its functions. 5
 - b) Characteristics of fungal spores. 5

OR

Write short notes on :

- c) Heterokaryopsis. 2½
- d) Parasexuality. 2½
- e) Homothallism. 2½
- f) Teuleotospores and Uredospores. 2½

3. Write on :
- a) Plant pathology and its objectives. 5
 - b) Classify the plant Diseases on the basis of casual Agents. 5

OR

Write short notes on :

- c) Importance of plant Disease. 2½

- d) Symptoms caused by fungi. 2½
- e) Culture media preparation. 2½
- f) Koch's postulates. 2½

4. Write on :

- a) Structural defense in plants. 5
- b) Plant Toxins. 5

OR

- c) Effect of Temperature on plant Disease. 2½
- d) Plant quarantine. 2½
- e) Hypersensitive reactions. 2½
- f) Cellulolytic enzyme. 2½

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

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| a) Mycology. | b) Thermophilic fungi. |
| c) IARI | d) Chitin |
| e) Heterothallism. | f) Zoospore |
| g) Sterilization. | h) Isolation |
| i) Purification | j) Tyloses |
| k) Resistant varieties. | l) Pectic enzyme. |
