

B.Sc. CBCS Pattern Semester-VI  
**012D - Botany Paper-II : Mycology and Plant Pathology-II**

P. Pages : 2

Time : Three Hours



**GUG/W/23/13330**

Max. Marks : 50

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

**1.** Write on:

- a) Production of Alcoholic beverages. 5
- b) Industrial applications of fungal enzymes. 5

**OR**

Write short notes on:

- c) Antibiotics from Fungi. 2½
- d) Production of alkaloids by fungi. 2½
- e) Industrial mycology. 2½
- f) Production of organic acids by fungi. 2½

**2.** Write on:

- a) Mushroom cultivation. 5
- b) Preservation method for conservation of fungi. 5

**OR**

Write short notes on:

- c) Role of fungi in Agriculture. 2½
- d) Production of secondary metabolites. 2½
- e) Mycoprotein. 2½
- f) Important of medical mycology. 2½

**3.** Write on:

- a) Tikka disease of groundnut. 5
- b) Wilt of Pigeon pea. 5

**OR**

Write short notes on:

- c) Symptoms of Grain smut disease of Jowar. 2½
- d) Control measures of Ergot disease of Bajra. 2½
- e) Symptoms of Bean Yellow Mosaic virus. 2½
- f) Control measure of Late blight disease of potato. 2½

**4.** Write on:

- a) Red rot of sugarcane. 5
- b) Powdery mildew of Rose. 5

**OR**

Write short notes on:

- c) Control measures of Rust of Euphorbia. 2½
- d) Symptoms of and casual organism of Albizia fruit. 2½
- e) Control measures of Citrus canker. 2½
- f) Symptoms of Wilt disease of cotton. 2½

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

- a) Myco-technology.
- b) Gluconic acid.
- c) Ergot.
- d) Mycoprotein.
- e) VAM.
- f) Gibberellins.
- g) Casual organism of Damping off mustard.
- h) Pathogen.
- i) Resistant varieties.
- j) Rust.
- k) Crop rotation.

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