

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

P. Pages : 2

Time : Three Hours



GUG/W/22/13330

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate your answers with suitable example and draw well labelled diagrams wherever necessary.

1. Write on :

- a) Role of fungi in Biotechnology. 5
- b) Production of alcoholic beverages by using fungi. 5

OR

Write notes on :

- c) Production of organic acids by fungi 2½
- d) Industrial application of fungal protease. 2½
- e) Production of ergot by using fungi. 2½
- f) Production of antibiotic from fungi. 2½

2. Write on :

- a) Mushroom Cultivation. 5
- b) Role of fungi in agriculture. 5

OR

Write notes on :

- c) Production of secondary metabolites (Penicillin Production). 2½
- d) Conservation of germplasm of fungi. 2½
- e) Mycoproteins. 2½
- f) Importance of medical mycology. 2½

3. Write on :

- a) Ergot of Bajra. 5
- b) Tikka disease of Ground Nut. 5

OR

Write notes on :

- c) Symptoms of Grain smut of Jawar. 2½
- d) Will of pigeon pea [Causal organism & symptoms]. 2½
- e) Damping of Mustard (Control measured) 2½
- f) Disease cycle of Little heat of Brinjal. 2½

4. Write on :

- a) Citrus Canker. 5
- b) Red rot of Sugarcane. 5

OR

Write notes on :

- c) Symptoms of wilt disease of cotton. 2½
- d) Rust of Euphorbia. 2½
- e) Cercospora on Albizzia fruit. 2½
- f) Symptoms of powdery mildew of Rose. 2½

5. Write answers in two or three lines. Diagrams are not necessary. **Any ten** **1x10**

- a) Invertase
- b) Alkaloids
- c) Fermentation
- d) Mycofood
- e) Mycorrhiza
- f) Aspergillosis
- g) Smut
- h) Disjunctors
- i) Conidia
- j) Resistant Varieties
- k) Rust
- l) Crop rotation
