

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

P. Pages : 2

Time : Three Hours



GUG/S/25/13330

Max. Marks : 50

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

1. Write note on:

- | | |
|---|----------|
| a) Role of fungi in Industrial mycology. | 5 |
| b) Industrial application of fungal Cellulose and Protease. | 5 |

OR

Write short notes on –

- | | |
|--|-----------|
| c) Wine production using fungi. | 2½ |
| d) Fungal Invertase. | 2½ |
| e) Citric acid production using fungi. | 2½ |
| f) Ergot production. | 2½ |

2. Write note on:

- | | |
|---------------------------------------|----------|
| a) Production of Penicillin. | 5 |
| b) Cultivation technique of Mushroom. | 5 |

OR

Write short notes on –

- | | |
|---|-----------|
| c) Mycoproteins | 2½ |
| d) Role of fungi in agriculture and forestry. | 2½ |
| e) Importance of medical mycology. | 2½ |
| f) Fungal germplasm conservation. | 2½ |

3. Write note on:

- | | |
|--------------------------------|----------|
| a) Ergot of Bajra | 5 |
| b) Tikka disease of Groundnut. | 5 |

OR

Write short notes on –

- c) Little leaf of Brinjal 2½
- d) Causal organism Late blight of Potato. 2½
- e) Disease development of Grain smut of Jowar. 2½
- f) Causal organism and symptoms of Wilt of pigeon Pea. 2½

4. Write note on:

- a) Red Rot of Sugarcane. 5
- b) Citrus canker. 5

OR

Write short notes on –

- c) Causal organism of Wilt Disease of Cotton. 2½
- d) Cercospora on Albizzia fruits. 2½
- e) Disease management in Powdery Mildew of Rose. 2½
- f) Causal organism and Symptoms of Rust of Euphorbia. 2½

5. Write answers in two or three lines **any ten.** **1x10**

- a) HOPS
- b) Antibiotic.
- c) Mycofoods.
- d) Gibberellin
- e) Mycorrhiza
- f) Mycoplasma
- g) Wilt
- h) Smut
- i) Canker
- j) Rust
- k) Cleistothecium
- l) Plant Pathology.
