

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

P. Pages : 2

Time : Three Hours



**GUG/W/24/13330**

Max. Marks : 50

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**1.** Write notes on:

- |                                       |   |
|---------------------------------------|---|
| a) Applications of fungal enzymes.    | 5 |
| b) Production of alcoholic beverages. | 5 |

**OR**

Write short notes on:

- |                         |    |
|-------------------------|----|
| c) Industrial Mycology. | 2½ |
| d) Ergot                | 2½ |
| e) Fungal Antibiotic    | 2½ |
| f) Fungal Alkaloids     | 2½ |

**2.** Write notes on:

- |   |   |
|---|---|
| a) Production of secondary metabolite (Penicillin Production) | 5 |
| b) Methods of conservation of fungal germplasm.               | 5 |

**OR**

Write short notes on:

- |                                    |    |
|------------------------------------|----|
| c) Fungal use in agriculture.      | 2½ |
| d) Role of fungi in Biotechnology. | 2½ |
| e) Mycoproteins.                   | 2½ |
| f) Fungi in forestry               | 2½ |

**3.** Write notes on:

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

**OR**

Write short notes on:

- |  |    |
|--|----|
| c) Symptoms of little leaf of Brinjal      | 2½ |
| d) Control measures of wilt of Pigeon Pea. | 2½ |
| e) Symptoms of Late blight of Potato.      | 2½ |
| f) Management of Grain smut of Jowar.      | 2½ |

4. Write notes on:

- |                           |   |
|---------------------------|---|
| a) Citrus Canker.         | 5 |
| b) Red rot of Sugar cane. | 5 |

**OR**

Write short notes on:

- |  |    |
|--|----|
| c) Causal organism and control measures of Wilt of Cotton. | 2½ |
| d) Symptoms of Powdery mildew of Rose.                     | 2½ |
| e) Management of Rust of Euphorbia.                        | 2½ |
| f) Symptoms and disease cycle of Albizia.                  | 2½ |

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

- |                     |                         |
|---------------------|-------------------------|
| a) Mycotechnology   | b) Brewing              |
| c) Mycology         | d) Griseofulvin         |
| e) Spawn            | f) Secondary metabolite |
| g) Pathogen         | h) Damping off          |
| i) Bordeaux mixture | j) Fungicide            |
| k) Wilting          | l) Crop rotation        |

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