

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

P. Pages : 2

Time : Three Hours



GUG/S/23/13330

Max. Marks : 50

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

1. Write notes on:

- a) Industrial 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 antibiotics. 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 in agriculture. 2½
d) Importance of medical mycology. 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
