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SUBJECT CODE NO: -BB-2330

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (CBCGS) (Pattern 2022) T.Y SEM V

Examination November / December 2025

Botany-XVIIIIC Mycology and plant pathology

[Time: 1:30 Hours]

[Max. Marks: 40]

Please check whether you have got the right question paper.

N. B

- 1) Attempt all questions.
- 2) All question carries equal marks.
- 3) Draw neat and well labelled diagrams wherever necessary.

Q1 Explain symptoms, Causal organism and Control measures of Grain Smut of Jowar. 10

OR

Describe in brief:

- a) Black rot of onion.
- b) Charcoal rot of soybean

Q2 Describe Concept, Importance and control measures of seed borne pathogen. 10

OR

Describe in brief:

- a) Koch's postulates
- b) History of plant pathology

Q3 Write short Notes on (Any two) 10

- a) Mushroom Cultivation.
- b) Importance of mycology Agriculture.
- c) Arbuscular mycorrhizal fungi.

Q4 Multiple choice questions. 10

1. The Irish famine was due to -----
 - a) Late blight of potato
 - b) Blast of Rice
 - c) Early blight of potato
 - d) Wart of potato
2. Downy mildew is caused by the member of family -----
 - a) Pythiaceae
 - b) Albuginaceae
 - c) Moniliaceae
 - d) Peronosporaceae
3. A disease caused by a living organism is -----
 - a) Biotic
 - b) Pollution
 - c) Abiotic
 - d) Organic
4. Wilt disease is caused by -----
 - a) Erwinia
 - b) Fusarium
 - c) Aspergillus
 - d) Alternaria

5. The symptoms of mosaic is normally associated with a -----
a) Bacteria b) Fungi c) Virus d) Nematode
6. The pathogen responsible for Ergot is -----
a) Botrytis cineraria b) Claviceps fusiformis
c) Venturia iniqua d) Xanthomonas ergotiae
7. Alexander Fleming (1929) discovered ----
a) Streptomycin b) Penicillin c) Tyrocidine d) Giseofulvin
8. Tikka disease of Groundnut is caused by -----
a) Aspergillus b) Puccinia c) Cercospora d) Fusarium
9. Puccinia graminis trici belongs to class -----
a) Ascomycetes b) Deuteromycetes c) Basidiomycetes d) Hypomycetes
10. Mushroom is -----
a) Saprophytic fungi b) Autotrophic Algae
c) Heterotrophic fungus d) None of the above

