

AQ - 986

**Third Semester M.Sc. (Part - II) (C.B.C.S)
Examination**

BOTANY

**Paper - XII
(Plant Pathology)**

P. Pages : 3

Time : Three Hours]

[Max. Marks : 80

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- Note :** (1) Answer all questions.
(2) All questions carry equal marks.
(3) Illustrate your answer if necessary.

1. Explain :—

- | | |
|---------------------------------------|---|
| (a) Principles of Koch's postulate. | 5 |
| (b) Host-parasite relationship. | 5 |
| (c) Classification of plant diseases. | 6 |

OR

- | | |
|--|---|
| (d) History of plant pathology. | 6 |
| (e) Biochemical defence mechanism of phenolic compounds. | 5 |
| (f) Importance of plant pathology. | 5 |

2. Describe chemical and biological managements of plant disease control.

OR

Define disease forecasting and methods used in Disease forecasting. 16

3. Explain :—

- (g) Rust disease of wheat. 5
- (h) Ergot disease of Bajara. 5
- (i) White rust disease of Mustard. 6

OR

- (j) Blast disease of Rice. 5
- (k) Smut disease of Jowar. 6
- (l) Importance of seed pathology. 5

4. Describe :—

- (m) Wilt disease of Tomoto. 5
- (n) Gummosis of Citrus. 5
- (o) Downy mildew of Grape. 6

OR

- (p) Anthraenose of chillies. 5
- (q) Powdery mildew of cucurbits. 5
- (r) Post harvest disease of fruits. 6

5. Describe bacterial disease of cotton and Tundu disease of wheat.

OR

Describe viral disease of Tomato and Papaya. 16

