

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD
SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

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| Semester : III (New) | Term : I | Academic Year : 2019-20 |
| Course No. : H/PATH 231 | Title : Fundamentals of Pathology | |
| Credits : 2 (1+1) | | |
| Day & Date : Friday, 15.11.2019 | Time : 09.00 to 11.00 | Total Marks : 40 |

- Note :
1. Solve ANY EIGHT questions from SECTION "A".
 2. All questions from SECTION "B" are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 Define fungi. Describe economic importance and general characters of fungi.
- Q.2 Classify plant diseases on the basis of cause with one suitable example.
- Q.3 Write short notes (Any Two).
- a) Perpetuation of plant pathogens b) Dissemination of plant pathogen
- c) Plant Disease Forecasting
- Q.4 Enlist different plant pathogenic organisms with one example of disease caused by them and write important characters of bacteria.
- Q.5 Describe various formulations of fungicides with suitable example.
- Q.6 Enlist various principles of plant disease management. How will you manage plant diseases by eradication?
- Q.7 Quote important contribution of the following scientists (Any Four).
- a) Anton de Bary b) Anton van Leeuwenhoek c) Robert Hook
- d) K.C. Mehta e) W.M. Stanley f) B.B. Mundkur
- Q.8 What is plant disease epidemiology? Describe in detail factors responsible for plant disease epidemic?
- Q.9 Define symptoms. Classify the symptoms in different category and describe in detail necrosis with suitable examples.
- Q.10 What is penetration? Describe different avenues of penetration.

SECTION "B"

- Q.11 Fill in the blanks.
- 1) Complete virus particle is known as _____.
- 2) _____ is an example of complete root parasite.
- 3) Protozoa belongs to Kingdom _____.
- 4) The term *Contagium vivum fluidum* was coined by _____.
- Q.12 Match the following pairs.
- | | |
|--------------------------------|------------------------|
| 'A' | 'B' |
| 1) Galls or tumors | a) Atrichous |
| 2) Oxygen deficiency | b) Carbendazim |
| 3) Bacterium without flagellum | c) Non parasitic cause |
| 4) Systemic fungicide | d) Hypertrophy |

