MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester	**: III (Old)**	**Term**	**: I**	**Academic Year**	**: 2018-19**
Course No.	**: PATH 232**	**Title**	**: Principles of Plant Pathology**		
Credits	**: 2(1+1)**				
Day & Date	**: Tuesday, 13.11.2018**	**Time**	**: 9.00 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 What do you mean by epidemiology? Write in short about the essential conditions required for epidemics.

Q.2 What is dissemination? Describe various agencies involved under continuous dissemination.

Q.3 Describe in short pre- existing structural defense mechanisms in plants.

Q.4 Enlist principles of plant disease management and write a note on eradication of plant diseases.

Q.5 Enlist various methods of application of fungicide? Explain the seed treatment methods.

Q.6 Describe in brief the cultural practices adopted for plant disease management.

Q.7 What is plant quarantine? Write about domestic quarantine with examples.

Q.8 What is biological control? Discuss various mode of action of biological control agents.

Q.9 How is biotechnology useful in management of plant diseases?

Q.10 Write concept and advantages of integrated plant disease management.

SECTION "B"

Q.11 Fill in the blanks.

1) _____ is an important and commonly used fungal bio agent for disease management.

2) A special absorbing structure formed by some parasitic fungi within the cells of the host is termed as_____.

3) _____ is the phenomenon of growth of one organism at the expense of other.

4) AK toxin is also known as_____.

Q.12 Define the following terms.

1) Fungicide
2) Perpetuation
3) Pathogenesis
4) Disease forecasting

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