MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE

SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: III	Term	: First	Academic Year	: 2024-25
Course No.	: PATH 232	Title	: Principles of Integrated Disease Management		
Credits	: 2 (1+1)				
Day & Date	: Tuesday, 22.10.2024	Time	: 09:00 to 11:00 hrs.	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 diagram wherever necessary.

SECTION 'A'

Q.1 Define Integrated Plant Disease Management. State the importance and aim of IPM.

Q.2 Give the purpose of diagnosis of plant disease and explain the methods of diagnosis in detail.

Q.3 Enlist different methods of plant disease management. Explain cultural methods for plant disease management.

Q.4 Write short note on (Any Two):

a) Disease severity b) Crop Loss Assessment c) Remote sensing

Q.5 Comment on conventional pesticides and plant products used in plant disease management.

Q.6 Explain the mechanism of development of disease resistance in host plants.

Q.7 What do you mean by Pest risk analysis? Describe the stages of pest risk analysis.

Q.8 Enlist the components of pest surveillance. Explain the methods of disease forecasting.

Q.9 Give the safety issues in pesticide uses.

Q.10 Define Biological control. Explain its mechanism.

SECTION 'B'

Q.11 Fill in the blanks:

1) Any organism detrimental to human being, is known as _____.
2) The fungicides restrict the sporulation in fungi, are known as _____.
3) Induced Systemic Resistance is mediated by _____.
4) Only specific area or growers to be covered in _____ sampling method of survey.

Q.12 State True or False:

1) Multiple point models are those in which yield loss estimation is based on many diseases appear to be more reliable.
2) In plant disease management, the probability of development of resistant strain in pathogen is more.
3) Pathogenic strain of *Pseudomonas syringe* produces Coronatine, which is similar to Jasmonic acid.
4) The Quarantine Law was first enacted in USA in 1942.

✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧

agromind.in

Telegram - AgroMind