MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE

SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: III	Term	: First	Academic Year	: 2024-25
Course No.	: ENTO 232	Title	: Insect Ecology and Integrated Pest Management		
Credits	: 2 (1+1)				
Day & Date	: Thursday, 17.10.2024	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 Insect Ecology and give its scope and importance.

Q.2 Define Host Plant Resistance. Describe in detail mechanism of resistance.

Q.3 Enlist the basis of classification of insecticides. Describe in detail the classification of insecticides based on chemical nature.

Q.4 Describe in detail the characteristics of an ideal parasitoid.

Q.5 Define IPM. Enlist the tools of IPM. Describe in detail cultural method with suitable examples.

Q.6 Write short notes on (Any Two):

a) Pheromones b) Botanical pesticides c) Pest forecasting

Q.7 Define Formulation. Describe in detail different types of formulations with examples.

Q.8 Describe in detail the effect of abiotic factors on insect abundance.

Q.9 Describe in detail mechanical method of pest control along with suitable examples.

Q.10 Define Pest outbreak. Describe in detail the causes of pest outbreak.

SECTION 'B'

Q.11 Fill in the blanks:

1) NBAIR is located at _____.
2) _____ is an example of animal origin insecticide.
3) _____ predator is used against grape mealy bug.
4) 'Silent springs' is written by _____.

Q.12 Define the following terms:

1) ETL
2) Antidote
3) Regular pest
4) Acute toxicity

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