MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	: IV (New)	Term	: Second	Academic Year	: 2022-23
Course No.	: H/ENTO 243	Title	: Insect Pests of Fruit, Plantation, Medicinal and Aromatic Crops		
Credits	: 3 (2+1)				
Day & Date	: Wednesday, 12.07.2023	Time	: 09:00 to 12:00 hrs.	Total Marks	: 80

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 pest and describe in brief the causes of insect pest outbreak with suitable examples.

Q.2 State the scientific name and management practices of leaf eating caterpillar and pseudostem borer infesting Banana.

Q.3 Write the nature of damage and management practices of lemon butterfly and leaf minor infesting Citrus.

Q.4 Write management practices of Mango hopper and Mango stem borer.

Q.5 Write the nature of damage and management practices of Citronella shoot borer and Patchouli leaf webber.

Q.6 Write the nature of damage and management practices for fruit fly and bark eating caterpillar infesting Guava.

Q.7 Write the nature of damage of the following pests:

a) Indian meal moth
b) Rust red flour beetle
c) Epilachna beetle of Sarpagandha
d) Mint leaf roller

Q.8 Write nature of damage and management of Coconut rhinoceros beetle and Cashewnut tea mosquito bug.

Q.9 Write the scientific name, family and nature of damage of Raisin moth and Rice moth of stored grain.

Q.10 Enlist the major pests of Papaya with scientific name, family and order. Give nature of damage and management practices of Papaya mealy bug.

SECTION 'B'

Q.11 a) Write the damaging stage(s) of the following pests:

1) Shatavari asparagus beetle
2) Vetiver stem borer
3) Sandalwood leaf webber
4) Dhatura thrips

b) State the family of the following pests:

1) Jack fruit bud weevil
2) Belladonna leaf defoliator
3) Jamun ash weevil
4) Rubber mealy bug

(P.T.O.)

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Q.12 Do as directed:

1) _____is the monophagous pest of Ber.

2) State the scientific name of Guava fruit borer.

3) Site of pupation of fruit fly is _____.

4) Crinkling and yellowing of leaves and rotting of grape berry, is due to _____.

5) _____is the dose at which, 50% of the population is killed in a given period of time.

6) Give the composition of borer solution.

7) The scientific name of Betel vine mealy bug is_____.

8) Spell-out the abbreviation: NSKE.

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