MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	: IV (New)	Term	: Second	Academic Year	: 2023-24		
Course No.	: H/ENTO 243	Title	: Insect Pests of Fruit, Plantation, Medicinal and Aromatic Crops				
Credits	: 3 (2+1)						
Day & Date	: Thursday, 02.05.2024	Time	: 9:00 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 Enlist the pests of citrus with scientific names. Give the nature of damage and management practices for citrus blackfly and bark eating caterpillar.

Q.2 Give the marks of identification of the following pests:

a) Mango stem borer
b) Mentha semilooper
c) Apple tent caterpillar
d) Ber fruit fly

Q.3 Write the nature of damage and management practices for coffee stem borer and apple wooly aphid.

Q.4 Write the nature of damage and control measures of the following pests:

a) Rose thrips
b) Aphids of lemon grass
c) Semilooper of davana
d) Pentatomid bug

Q.5 Write the nature of damage, site of pupation and management practices for anar caterpillar and rubber bark eating caterpillar.

Q.6 Write the scientific name, nature of damage and management practices for grapevine flea beetle and stem girdler.

Q.7 Describe the nature of damage and control measures of the following pests:

a) Leaf webber of mentha
b) Ash weevil
c) Isabgol aphid
d) Leaf roller of patchouli

Q.8 Write management strategies for the following pests:

a) Shoot borer of lemon grass
b) Cutworm of opium
c) Rhinoceros beetle
d) Red palm weevil

Q.9 Describe the nature of damage and management practices by giving scientific names of mango fruit fly and mango stone weevil.

Q.10 Write short notes on:

a) Shoot and fruit borer of wild brinjal
b) Tea mosquito bug

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SECTION 'B'

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

1) Guava fruit fly
2) Mealy bug
3) Citrus leaf miner
4) Rhinoceros beetle

b) Give the site of pupation of the following pests:

1) Sandalwood leaf webber
2) Ber fruit borer
3) Whitefly
4) Eucalyptus stem borer

Q.12 a) Choose the correct answer-option:

1) The monophagous pest of mango crop is _____.

a) Mango stem borer b) Mango fruit fly c) Mango stone weevil

2) The lethal dose required to kill 50% of the population of test insect is referred as_____.

a) LC50 b) LC90 c) LD50

3) The damaging stage(s) of citrus fruit sucking moth is/are _____.

a) Adult only b) Larvae only c) Both adult and larvae

4) Arthropod vector of bunchy top disease of banana is _____.

a) Thrips b) Aphids c) Leaf hoppers

b) Give the site of oviposition of following pests:

1) Chiku moth
2) Cutworm
3) Cabbage semilooper
4) Fig jassids

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