

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: IV (New)	Term	: Second	Academic Year	: 2021-22
Course No.	: ENTO 243	Title	: Pest of Horticultural Crops and their Management		
Credits	: 2 (1+1)				
Day & Date	: Monday, 19.09.2022	Time	: 14:00 to 16:00 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 Comment on the scientific name, identification mark, typical damage symptoms and management practices for citrus fruit sucking moth.
- Q.2 Enlist the major pests of mango with their scientific names. Describe the nature of damage and management practices for mango mealy bugs.
- Q.3 Give the scientific name, site of oviposition, nature of damage and management practices for red palm weevil.
- Q.4 Write in brief about the damaging stage(s) and nature of damage of (Any Two):
- a) Grape flea beetle (*Udadia* beetle) b) Papaya mealy bug
- c) Banana aphid
- Q.5 Write down about the site of oviposition, site of pupation, damaging state and the nature of damage (Any Two):
- a) Sapota leaf webber (Chiku moth) b) Ber fruit fly
- c) Pomegranate fruit borer (Anar caterpillar)
- Q.6 Give a brief account of brinjal shoot and fruit borer on site of pupation, nature of damage, management practices and host plants.
- Q.7 Comment on the typical damaging symptoms of chilli thrips and mites. Write in brief about the integrated management of chilli thrips and mites.
- Q.8 Mention the scientific name, host plants, nature of damage and management practices for diamond back moth (DBM).
- Q.9 Write short notes on (Any Two):
- a) Okra shoot and fruit borer b) Tomato fruit borer
- c) Sweet potato weevil
- Q.10 a) Define Nematology. Enlist the major plant parasitic nematodes of agricultural and horticultural crops with their scientific names.
- b) Mention the damaging stages of turmeric rhizome fly and rose thrips.

(P.T.O.)

SECTION 'B'

Q.11 Answer in one sentence:

- 1) Site of oviposition of spiraling whitefly.
- 2) Site of pupation of rhinoceros beetle.
- 3) Order of mustard sawfly.
- 4) Host plants of *Helopeltis antonii* (*H. theivora*).

Q.12 State True or False:

- 1) Blue colour sticky traps can be used for the management of onion thrips.
- 2) Zinc phosphide is used for the management of snails.
- 3) Australian ladybird beetle, *Cryptolaemus montrouzieri* is an effective predator against mealy bugs.
- 4) Methyl eugenol is used as an attractant for the monitoring and management of *Earias vitella*.

