

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END THEORY EXAMINATION**

**B.Sc.(Hons.) Horticulture**

Semester	: III (New)	Term	: First	Academic Year	: 2023-24
Course No.	: H/ENTO 232	Title	: Insect Pests of Vegetable, Ornamental and Spice Crops		
Credits	: 3 (2+1)	Time	: 9:00 to 12:00 hrs.	Full Marks	: 80
Day & Date	: Monday, 11.12.2023				

- 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 State the economic importance of insects in vegetable, ornamental and spice crops.
- Q.2 Enlist major pests of tomato with their scientific names. Write nature of damage and management practices of tomato fruit borer and white fly.
- Q.3 Write nature of damage and management practices of leaf eating caterpillar and weevil infesting sweet potato.
- Q.4 Write nature of damage of the following pests:
- a) Coriander aphids
  - b) Lemon butterfly in curry leaf
  - c) Chilli thrips
  - d) Turmeric rhizome fly
- Q.5 State host plant(s), nature of damage and management practices of curry leaf butterfly and cinnamon leaf miner.
- Q.6 Enlist major pests infesting cruciferous crops with their scientific names. Write nature of damage and management practices of diamond back moth and cabbage butterfly.
- Q.7 Write nature of damage and management practices of shoot and fruit borer and jassids infesting okra.
- Q.8 Write management practices of the following pests:
- a) Pumpkin beetle
  - b) White grub
  - c) Tuberose gallery worm
  - d) *Brevicoryne brassicae* (L.)
- Q.9 Enlist the storage insect pests of vegetable, ornamental and spice crops with their scientific names and write nature of damage of Indian meal moth.
- Q.10 Write nature of damage and management practices of jasmine rose bud borer and gerbera white fly.

(P.T.O.)

SECTION 'B'

Q.11 a) Answer the following:

- 1) Which viral disease is transmitted by chilli thrips?
- 2) Define: Economic Threshold Level.
- 3) Spell-out the abbreviation: *S/NPV*.
- 4) Define: Maximum Residue Limit.

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

- 1) Mite
- 2) Cumin caterpillar
- 3) Cut worm
- 4) Locust

Q.12 Do as directed:

- 1) Parthenogenesis is observed in aphids. (State True or False)
- 2) Give the symptom of damage of *Meloidogyne incognita*.
- 3) Mosaic / Katte / Pollu disease is transmitted by cardamom aphids. (Choose correct answer-option from underlined)
- 4) Write the scientific name of mustard saw fly.
- 5) Sulphur is used to control \_\_\_\_\_ insect pest. (Fill in the blank)
- 6) Locust is a non-insect pest. (State True or False)
- 7) Name an egg-larval parasitoid used for the control of potato tuber moth.
- 8) The damaging caste of termites is worker. (State True or False)

◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆