

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE  
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) A.B.M.

Semester	: IV (New)	Term	: Second	Academic Year	: 2022-23
Course No.	: ENTO 242	Title	: Management of Beneficial Insects		
Credits	: 2 (1+1)	Time	: 9:00 to 11:00 hrs.	Total Marks	: 40
Day & Date	: Friday, 14.07.2023				

- 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 Define apiculture. Enlist different species of honey bees.
- Q.2 Describe in brief ideal characteristics of bioagents.
- Q.3 Explain in brief the behavior of honey bees.
- Q.4 Define vermiculture. Enlist and comment on any three species of earthworm.
- Q.5 What do you mean by predator? Enlist any four insect orders bearing predators used in pest control.
- Q.6 Write in brief about mass multiplication technique of *Trichogramma chilonis*.
- Q.7 Enlist products obtained from honey bees and write in brief about honey.
- Q.8 Describe in brief moriculture.
- Q.9 Define sericulture. State species of silkworm along with host plants.
- Q.10 Write in brief about mass multiplication technique of Australian lady bird beetle.

SECTION 'B'

- Q.11 Define the following terms:

- |                 |                |
|-----------------|----------------|
| 1) Apiary       | 2) Parasitoid  |
| 3) Silk reeling | 4) Lac culture |

- Q.12 Match the pairs:

- | 'A'                          | 'B'               |
|------------------------------|-------------------|
| 1) Worker bee                | a) Lac insect     |
| 2) Cottony cushion scale     | b) Sterile female |
| 3) <i>Laccifer lacca</i>     | c) Weed killer    |
| 4) <i>Zygomma bicolorata</i> | d) Vedalia beetle |

