

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

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

Semester : IV(New)	Term : Second	Academic Year : 2021-22
Course No. : ENTO 242	Title : Management of Beneficial Insects	
Credits : 2 (1+1)		
Day & Date : Thursday, 22.09.2022	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 Define beneficial insects and describe their importance.
- Q.2 What are the ideal characteristics of bioagents (natural enemies) used in biological insect pest suppression?
- Q.3 Give the classification of parasitoid on the basis of stage of host attacked.
- Q.4 Enlist major parasitoids, predators and weed killers. Describe in short about *Trichogramma* spp.
- Q.5 Describe mass multiplication of *Corcyra cephalonica* in laboratory.
- Q.6 Define apiculture and describe its importance.
- Q.7 Define lac. State the composition of lac and uses of shellac.
- Q.8 What is vermicomposting? Write the procedure of vermicomposting.
- Q.9 Define sericulture and state types of silkworms.
- Q.10 What is moriculture? Write about cultivation of mulberry in respect of ecological requirement, varieties and methods of propagation.

SECTION 'B'

Q.11 Fill in the blanks:

- 1) _____ is known as the 'Father of Modern Beekeeping'.
- 2) In honeybees, _____ type of legs serves as antenna cleaner.
- 3) The ability of silkworm races to produce one to several generations in a year is known as _____.
- 4) _____ weed is controlled by predator, *Zygogramma bicolorata*.

Q.12 Match the pairs:

- | 'A' | 'B' |
|---------------------------------|----------------|
| 1) <i>Apis dorsata</i> | a) Lac insect |
| 2) <i>Lacifer lacca</i> | b) Honeybee |
| 3) <i>Bombyx mori</i> | c) Parasitoid |
| 4) <i>Trichogramma chilonis</i> | d) Sericulture |

