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

## B.Sc.(Hons.) Agriculture

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Seme	ster : VI (New) Term : Second Academic Year : 2023-24
Cours	fille: Management of Beneficial Insects
	ts : 2 (1+1) E Date : Monday, 29.04.2024 Time : 14:00 to 16:00 hrs. Total Marks : 40
	Note: 1. Solve ANY EIGHT questions from SECTION 'A'.
	<ol> <li>All questions from SECTION 'B' are compulsory.</li> <li>All questions carry equal marks.</li> </ol>
	4. Draw neat diagram wherever necessary.
SECTION 'A'	
Q.1	Enlist the ideal characteristics of bioagent and describe any three of them.
Q.2	What is Apiculture? Describe different castes of honey bee.
Q.3	Write scientific names, host plants and significance of different types of silkworms reared in India.
Q.4	Write cultivation of mulberry on the following points:
	a) Soil and Climatic requirement b) Plantation season
	c) Selection of planting material d) Mulberry varieties
Q.5	Write short notes on (Any Two):
	a) Uses of lac b) Importance of honey bees c) Voltinism in silkworm
Q.6	Give the mass production techniques for Cryptolaemus montrouzieri.
Q.7	Give the importance of beneficial insects in Agriculture.
Q.8	Enlist important parasitoids commonly used in biological control of crop pests. Give field release technique for <i>Trichogramma chilonis</i> .
Q.9	Give the importance of following insects in relation of Agriculture:
	a) Campoletis chloridae b) Epiricania melanoleuca
	c) Zygogramma bicolorata d) Goniozus nephantidis
Q.10	Enlist major host plants of lac insect. Give strains and crops of lac insect.
SECTION 'B'	
Q.11	Define the following terms:
	1) Bee pasturage 2) Mounting 3) Parthenogenesis 4) Scavenger insects
Q.12	Fill in the blanks:
	1) The days, when there is no honey flow that period is called as period.
	2) The place where silkworm eggs are produced is called as
	3) National Bee Board is located at
	4) Scientific name of Mexican beetle is
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