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GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR (GIET UNIVERSITY)

B. Sc. (Ag.)(Fourth Semester) Examinations, April – 2025 ENT-223– Management of Beneficial Insects

Time: 2 hrs Maximum: 50 Marks

The figures in the right hand margin indicate marks.

PART - A

Q.1.	Fill in the blanks	s with su	itable word / figure.			$(0.5 \times 10 = 5 \text{ Marks})$
a.	Central Bee Rese	arch and	Training Institute locate	d at		
b.	Royal jelly is seco					
c.	Parthenium weed					
d.						
e.	Leading producer					
f.	Herold's gland is					
g.	Lac harvested from used brood stick is called as					
h.	Number of kilograms of cocoons required to obtain 1 kg of reeled silk is called					
i.	•		wo or three tiers of concr		is called	
j.	Opuntia dilleni ca	an be cor	ntrolled by			
Q. 2	. Define (or) Expl	ain the f	following in one or two	sentence	es.	$(1 \times 5 = 5 \text{ Marks})$
a.	Denier					
b.	Bee pasturage					
c.	Button lac					
d.	Mountages					
e.	Filature					
Q3	. Match the follow	ving				$(0.5 \times 10 = 5 \text{ Marks})$
			Column – A		Column – B	
		(a)	Scavengers	(i)	Lac inoculation	
		(b)	Pebrine	(ii)	Honey bees	
		(c)	Ranjeeni	(iii)	Beetles	
		(d)	Interlacing method	(iv)	Uzi fly	
		(e)	Perforated cocoons	(v)	Golden yellow	
		(f)	Mellitin	(vi)	Jharkhand	
		(g)	Muga silk	(vii)	Bee venom	
		(h)	CSTRI	(viii)	Mulberry planting	
		(i)	Varrora mite	(ix)	Lac insect	
		(j)	Angular system	(x)	Silk worm	

Q4. Write True or False against each statement

 $(0.5 \times 10 = 5 \text{ Marks})$

- a. Acarine disease is caused by a virus
- b. Cultivation of Kusmi and Rangeeni stain in the same field increases the quantity and quality of the lac.
- c. The most violent bee is little bee.
- d. Elaeidobius kamerunicus is an important pollinator of fig.
- e. In india bee keeping was introduced in 1882 in Bengal.
- f. NISA is located at Chhattisgarh.
- g. One trichocard contains 20,000 parasitised eggs.
- h. 1st and 2nd instar larva of silk worm attacked by uzi fly.
- i. The duration where no honey flow is called as dearth period.
- j. Male lac produces more lac/resins.

PART - B

Attempt ANY FIVE questions. All question carries equal marks (6 x 5 = 30 Marks)

- 5. Write about various insect pest and diseases of silk worm along with their management.
- 6. Explain about the chawki rearing of silkworm.
- 7. Explain about the cultivation methods and processing of lac in details.
- 8. Explain about different diseases of the honeybees with their management practices.
- 9. Explain about the effect of insecticide on honey bees and their control measures.
- 10. What is apiary? Mention its importance and explain the lifecycle of honeybees with a diagram.

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