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



B. Sc. (Ag.) (Second Semester - Regular) Examinations, July - 2025

ENT-121 – Fundamentals of Entomology

Time: 2 hrs

Maximum: 40 Marks

Answer ALL questions

(The figures in the right hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. What is Entomology? What do you mean by insect pests?	CO1	K1
b. Define moulting. What are the hormones are associated with it?	CO2	K1
c. Define filter chamber.	CO5	K1
d. How EIL differs from ETL? Give respective definitions.	CO4	K1
e. Differentiate between larva and nymph.	CO2	K2

PART – B

(6 x 5 = 30 Marks)

Answer **ANY SIX** the questions

	Marks	CO #	Blooms Level
2. Briefly illustrate the process of digestion in insects.	5	CO2	K3
3. Mention the different parts of chewing and biting type of mouth parts along with their functions	5	CO1	K2
4. Give a brief illustration on types of larvae and pupae.	(3+2)	CO2	K2
5. Discuss about the general characteristics of Lepidoptera and Odonata	(3+2)	CO3	K2
6. What are the different types of reproduction we observe in insects? Explain with examples.	5	CO2	K1
7. Discuss about any five major mechanical control practices with their mechanism.	5	CO5	K4
8. Discuss about the general characteristics of Coleopteran and Orthoptera with examples	(3+2)	CO4	K4
9. Draw the structure of antennae and give details on types of antennae found in insects.	5	CO1	K1

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