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**Gandhi Institute of Engineering and Technology University, Odisha, Gunupur
(GIET University)**



B. Sc. (Ag.) (Second Semester - Regular) Examinations, May – 2026

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 can be the functions of malpighian tubules apart from excretion?	CO1	K2
b. Differentiate exopterygote and endopterygote order of insects	CO2	K3
c. Describe different levels of taxonomy	CO3	K2
d. Define Cryptonephridial condition in insects	CO4	K1
e. Give 2 examples of storage excretion in insects	CO6	K2

PART – B

(6 x 5 = 30 Marks)

Answer **ALL** the questions

	Marks	CO #	Blooms Level
2. Enumerate the general features of order coleoptera including its suborders with examples.	5	CO1	K1
3. Write a detailed note on digestion in insects along with a labelled diagram of the alimentary canal.	5	CO1	K3
4. Explain the various modes of reproduction in insects with suitable examples.	5	CO2	K2
5. Compare the characteristic features of the suborders Caelifera and Ensifera.	5	CO2	K4
6. How do aquatic insects respire, describe with type and examples.	5	CO3	K3
7. Enlist different types of insect head orientation with examples	5	CO4	K1
8. Mention the apterygote orders with its distinguishing characteristics and examples.	5	CO5	K4
9. Write the types of ovarioles based on the presence or absence of nurse cells.	5	CO6	K2

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