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Daffodil International University

Department of Agricultural Science
Faculty of Agriculture Sciences
BSc. in Agricultural Science
Mid-Term Examination; Summer 2026

Course Code: 0819 2203 **Course Title: Fundamentals of Entomology**
Level and Term: L-2, T-2 **Section: 251 B** **Course Teacher's Initials: DMR**
Time: 1 hr and 30 minutes **Total Marks: 25**

Splitting any answer to same question is strictly prohibited

Answer the following questions:

				Marks
1	(a)	What is the integument? Draw and label a neat, representative diagram of the insect integument.	CLO1, PLO1	0.5+2.0 =2.5
	(b)	Briefly describe the histological structure of the insect integument.	CLO1, PLO1	2.5
2	(a)	Briefly describe the different head orientations in insects.	CLO3, PLO3	2
	(b)	Describe the tegmina, hemelytron and haltere types of modified wings (focusing on texture and structure) found in insects, providing specific examples for each.	CLO3, PLO3	3
3	(a)	Classify the various modifications of insect mouthparts, providing a distinct example for each type.	CLO2, PLO2	2.5
	(b)	Write a comprehensive short note on piercing-sucking mouthparts.	CLO2, PLO2	2.5
4	(a)	What are the antennae of insects, and what is their function?	CLO3, PLO3	1
	(b)	Provide a detailed list of the different types of antennae, including their structural modifications and examples.	CLO3, PLO3	4
5	(a)	List the different segments of a typical insect leg.	CLO4, PLO4	1
	(b)	Describe the cursorial, saltatorial, raptorial and fossorial types of legs found in insects, specifying their functions and providing examples.	CLO4, PLO4	4