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Daffodil International University

Department of Genetic Engineering and Biotechnology
Faculty of Health and Life Sciences
B. Sc. (Hons.) in Genetic Engineering and Biotechnology
Midterm Examination Summer 2025

Course Code: 0512-1105
Level and Term: L-1, T-1
Time: 1 hour and 30 minutes
Section: 252 A, B
Course Title: Basic Plant Sciences
Course Teacher Initials: DJA
Total Marks: 25

Splitting any answer is strictly prohibited

				Marks
1	(a)	Diagrammatically show the plant kingdom with appropriate examples.	CLO1, PLO1, C2	4
	(b)	What is the importance of studying plant sciences?	CLO1, PLO1, C1	1
2	(a)	Briefly discuss the major areas of agronomy.	CLO4, PLO1, C6	3
	(b)	What is olericulture? Write down the importance of olericulture.	CLO4, PLO1, C1	2
3	(a)	List the main differences between self and cross pollination.	CLO2, PLO1, C1	3
	(b)	Outline a seed with proper labelling.	CLO2, PLO1, C2	2
4	(a)	Illustrate a cross-sectional diagram of plant mitochondria.	CLO1, PLO1, C2	2
	(b)	Explain the biological significance of chloroplast.	CLO1, PLO1, C5	3
5	(a)	State the key differences between meiosis and mitosis.	CLO1, PLO1, C1	3
	(b)	Highlight the events of telophase during cell division.	CLO1, PLO1, C3	2