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Daffodil International University

Department of Genetic Engineering and Biotechnology
Faculty of Health and Life Sciences
BSc. in Genetic Engineering and Biotechnology
Midterm Examination Spring 2025

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

Splitting any answer is strictly prohibited

				Marks
1	(a)	Write down the five phyla of the plant kingdom with appropriate examples.	CLO1, PLO1, C1	5
2	(a)	Briefly discuss the importance of agronomy?	CLO1, PLO1, C3	3
	(b)	Draw and mark the five key parts of an ideal leaf?	CLO1, PLO1, C2	2
3	(a)	What are key differences between self and cross pollination?	CLO1, PLO1, C3	3
	(b)	What do you understand by double fertilization?	CLO1, PLO1, C2	2
4	(a)	State the key features of a seed.	CLO1, PLO1, C1	2
	(b)	Write down the functions of cell membrane.	CLO1, PLO1, C3	3
5	(a)	Draw a cross-sectional diagram of mitochondria labelling the inner and outer membrane along with its function.	CLO1, PLO1, C1	2
	(b)	Mention the biological significance of Meiosis.	CLO1, PLO1, C2	3

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