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 Fall 2025

Course Code: 0512-1105
Level and Term: L-1, T-1
Time: 1 hour 30 minutes

Section: 253 (A+B)

Course Title: Basic Plant Science
Course Teacher Initials: MZA
Total Marks: 25

Splitting any answer is strictly prohibited

				Marks
1	(a)	Enlist and classify the five major phyla of the plant kingdom providing one representative example for each.	[CLO1, PLO1, C1]	5
2	(a)	Explain and justify the importance of agronomy in modern agricultural practices.	[CLO1, PLO1, C3]	3
	(b)	Discuss the concept and scope of olericulture.	[CLO1, PLO1, C4]	2
3	(a)	Identify the unique features of plant?	[CLO1, PLO1, C5]	3
	(b)	Differentiate between rough ER and smooth ER.	[CLO1, PLO1, C2]	2
4	(a)	Analyze the role of cytokinin, ethylene and abscisic acid.	[CLO1, PLO1, C4]	3
	(b)	Enumerate the functions of cell membrane.	[CLO1, PLO1, C1]	2
5	(a)	*Explain the following terms: Cytokinesis, Chiasmata and Crossing over.*	[CLO1, PLO1, C2]	3
	(b)	*Draw a cross-sectional diagram of mitochondria and label it's inner and outer membrane.*	[CLO1, PLO1, C6]	2

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