



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