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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
Final Examination Summer 2025

Course Code: 0512-1105
Level and Term: L-1, T-1
Time: 02 hours

Section: 251 A, B

Course Title: Basic Plant Sciences
Course Teacher Initials: DJA
Total Marks: 40

Splitting any answer is strictly prohibited

				Marks
1	(a)	Diagrammatically show and explain different plant tissue types.	CLO1, PLO1, C4	4
	(b)	Define differentiation and write the key differences between dedifferentiation and redifferentiation processes.	CLO1, PLO1, C1	4
2	(a)	Elucidate the significance of studying plant tissue in biotechnology highlighting the major sectors.	CLO2, PLO2, C2	5
	(b)	Illustrate the process of microsporogenesis with proper labeling.	CLO2, PLO2, C1	3
3	(a)	What is potato late blight disease? List down its symptoms.	CLO3, PLO7, C1	4
	(b)	Discuss the management and control measures of rice tungro disease.	CLO4, PLO2, C6	4
4	(a)	Provide the importance of two common medicinal plants found in Bangladesh.	CLO5, PLO1, C1	4
	(b)	Mention the classification of different plant diseases with causative agents.	CLO5, PLO1, C3	4
5	(a)	Discuss the challenges of pharmacognosy	CLO5, PLO1, C5	4
	(b)	Explain the economic importance of timber and fruits yielding plants.	CLO4, PLO2, C4	4