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International University

Department of Genetic Engineering and Biotechnology
Faculty of Health and Life Sciences

B.Sc. (Hons.) in Genetic Engineering and Biotechnology
Final Examination Spring 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 & MZA
Total Marks: 40

Splitting any answer is strictly prohibited

				Marks
1	(a)	Illustrate the classification of plant tissue types.	CLO1, PLO1, C4	4
	(b)	Write the characteristics of permanent plant tissues i.e., parenchyma, collenchyma and sclerenchyma.	CLO1, PLO1, C1	4
2	(a)	Elucidate the correlation between microsporogenesis and microgametogenesis.	CLO2, PLO2, C2	4
	(b)	Diagrammatically show the process of microsporogenesis.	CLO2, PLO2, C1	4
3	(a)	Write down the symptoms of potato late blight disease.	CLO3, PLO7, C1	3
	(b)	How do different plant diseases affect our economy? Discuss the control measures of different plant diseases.	CLO4, PLO2, C6	5
4	(a)	Provide two examples of important medicinal plants found in Bangladesh.	CLO5, PLO1, C1	4
	(b)	Describe the disease control mechanism with natural elements.	CLO5, PLO1, C3	4
5	(a)	Evaluate the challenges of pharmacognosy.	CLO5, PLO1, C5	3
	(b)	Explain the economic importance of cereal and fiber yielding crops.	CLO4, PLO2, C4	5