



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