

Pake



Department of Genetic Engineering and Biotechnology
 Faculty of Health and Life Sciences
 B. Sc. (Hons.) in Genetic Engineering and Biotechnology
 Final Examination Fall 2025

Course Code: 0512-1105
 Level and Term: L-1, T-1
 Time: 2 Hours

Section: 253 (A+B)

Course Title: Basic Plant Science
 Course Teacher Initials: SBN
 Total Marks: 40

Splitting any answer is strictly prohibited

		Marks
1. (a) Classify the permanent tissues of plants and discuss them.	[CLO1, PLO1, C4]	4.0
(b) Illustrate the differentiation process of plant tissues.	[CLO1, PLO1, C2]	4.0
2. (a) Discuss the significance of embryology in regard to plant science.	[CLO2, PLO2, C1]	3.0
(b) Briefly discuss the process of microsporogenesis.	[CLO2, PLO2, C2]	5.0
3. (a) Explain the scopes of economic plants.	[CLO4, PLO1, C6]	3.0
(b) Describe the methods of tea processing.	[CLO4, PLO1, C1]	5.0
4. (a) Medicines derived from plants are better than synthetic pharmaceuticals. Justify the statement.	[CLO4, PLO1, C5]	3.0
(b) List major phytochemicals and write their functions in respect of health issues.	[CLO4, PLO1, C6]	5.0
5. (a) Explain the term plant diseases. Classify plant diseases with examples.	[CLO5, PLO1, C4]	4.0
(b) State the control measure strategies for plant diseases.	[CLO5, PLO1, C3]	4.0