ourdiu.com | Shared by S. M. Nazmus Sakib Turzo

Daffodil International University
Department of Agricultural Science
Faculty of Agriculture Sciences
Mid-term Examination, Summer– 2026

Course Code: 0815-1105
Section: 261 All
Full Marks: 25

Course Title: Biochemistry I (General Biochemistry)
Level-Term: L1-T2

Teacher's Initial: MSA
Time: 1 Hour 30 Minutes

"Split answering is strictly prohibited"

1.	(a) Define cell. Describe the structure and functions of the nucleus with a labeled diagram.	PLO1 CLO1 C1	4
	(b) Draw and label a plant cell diagram.	PLO3 CLO2 C3	1
2.	(a) The cell wall is a distinctive characteristic of plant cells and plays an important role in maintaining their shape. Describe the cell wall with a proper diagram and explain its functions.	PLO1 CLO2 C3	4
	(b) Draw and label a diagram of a chloroplast.	PLO3 CLO2 C3	1
3.	(a) Using your knowledge of proteins, briefly explain amino acids and peptide bonds.	PLO2 CLO2 C3	3
	(b) Define protein and mention two basic functions of it.	PLO4 CLO2 C1	2
4.	Analyze the roles of terpenoids in plants and discuss their applications in the pharmaceutical and food industries.	PLO4 CLO5 C4	5
5.	(a) Explain the role of alkaloids or phenolic compounds in the food industry.	PLO4 CLO2 C2	3
	(b)Write about the structure of proteins.	PLO5 CLO3 C2	2

ourdiu.com