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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
Midterm Examination Fall 2025

Course Code: 0512-1305
Level and Term: L-1, T3
Time: 1 Hour 30 Minutes

Section- 251 (A+B)

Course Title: Animal and Human Physiology
Course Teacher Initials: KMH & DSR
Total Marks: 25

Splitting any answer is strictly prohibited

			Marks
1	(a) Define physiology and write its importance. Discuss the branches of animal and human physiology.	[CLO5, PLO2, C6]	2.5
	(b) Classify blood groups with examples. State the components and functions of lymphoid system.	[CLO3, PLO2, C4]	2.5
2	(a) Discuss blood coagulation mechanisms.	[CLO1, PLO2, C6]	2.5
	(b) State the composition of blood and enlist the main classes of plasma proteins with functions.	[CLO1, PLO2, C4]	2.5
3	(a) What is blood circulation? Diagrammatically show the transport mechanism of blood.	[CLO3, PLO2, C1]	3
	(b) Briefly discuss the structure and properties of cardiac muscle.	[CLO1, PLO2, C6]	2
4	(a) Define respiration. Diagrammatically show the various parts of respiratory systems.	[CLO1, PLO2, C1]	2.5
	(b) Illustrate oxygen transport cycle in the body.	[CLO1, PLO2, C2]	2.5
5	(a) What is excretion? Discuss the functions of kidney.	[CLO3, PLO2, C6]	2
	(b) Diagrammatically show the urine formation in mammals.	[CLO1, PLO2, C1]	3

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