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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: 0512-1205 **Course Title:** Animal Reproduction and Embryology

Level and Term: L-1, T-2 **Section** - 252 (A+B) **Course Teacher Initials:** KMH & DMI

Time: 1 Hour 30 Minutes **Total Marks:** 25

Splitting any answer is strictly prohibited

			Marks
1	(a) Define animal reproduction and embryology. Explain the relationship of animal reproduction with genetics.	[CLO2, PLO2, C2]	3
	(b) Demonstrate the types of reproduction in various species of animals.	[CLO1, PLO2, C6]	2
2	(a) Explain the key stages of embryonic development. Elucidate the factors influencing animal reproduction.	[CLO2, PLO2, C2]	2.5
	(b) Elaborate the adaptive mechanism for reproductive success in animals.	[CLO1, PLO2, C6]	2.5
3	(a) Briefly discuss the male reproductive system of cattle.	[CLO1, PLO2, C6]	2.5
	(b) Explain the female reproductive system of cattle with diagram.	[CLO1, PLO2, C2]	2.5
4	(a) Discuss the male reproductive system of sheep.	[CLO1, PLO2, C6]	2.5
	(b) Elaborate the female reproductive system of goat with diagram.	[CLO1, PLO2, C5]	2.5
5	(a) Elucidate the male reproductive system of goat.	[CLO1, PLO2, C2]	2.5
	(b) Discuss the role of Biotechnology in animal reproduction.	[CLO2, PLO2, C6]	2.5