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 Summer 2025

Course Code:
GEB 0512-1205

Course Title: **Animal Reproduction and Embryology**

Level and Term: L-1, T-2
Time: 1 Hour 30 Minutes

Section: 251 (A+B)

Course Teacher Initial: KMH
Total Marks:

Splitting any answer is strictly prohibited

				Marks
1	(a)	Define the terms animal reproduction and embryology and discuss the significance of biotechnology in animal reproduction.	[CLO4, PLO1, C5]	3
	(b)	Summarize the types of reproduction in farm animals.	[CLO1, PLO2, C2]	2
2	(a)	Elaborate the anatomy and functions of female reproductive system of cattle.	[CLO1, PLO2, C6]	3
	(b)	Explain the physiology of reproduction in female buffalo.	[CLO3, PLO2, C5]	2
3	(a)	Demonstrate the anatomy of the male reproductive system of goat with their functions.	[CLO1, PLO2, C2]	3
	(b)	Briefly discuss major anatomical structures of female reproductive system of pig.	[CLO3, PLO2, C5]	2
4	(a)	List major reproductive hormones of farm animals and write their functions.	[CLO3, PLO2, C4]	3
	(b)	Illustrate the key placental hormones and write their sources with functions.	[CLO3, PLO2, C2]	2
5	(a)	Briefly discuss the transport and survival of gametes and embryos *in vivo*.	[CLO2, PLO2, C6]	3
	(b)	*Explain the fundamental characteristics, present status and future outlook of animal reproduction.*	[CLO1, PLO2, C2]	2