



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: 20

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 <i>in vivo</i> .	[CLO2, PLO2, C6]	3
	(b) Explain the fundamental characteristics, present status and future outlook of animal reproduction.	[CLO1, PLO2, C2]	2