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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
Final Examination Summer 2025

Course Title: **Animal Reproduction and Embryology**

Course Code: GEB 0512-1205

Course Teacher Initial: KMH

Level and Term: *L-1, T-2*

Section: 251 (A+B)

Total Marks: 40

Time: 02 Hours

Splitting any answer is strictly prohibited

				Marks
1	(a)	Discuss anestrus and cystic ovarian disease including their etiology, clinical signs, diagnosis and treatment.	[CLO3, PLO1, C6]	4
	(b)	State endometritis and metritis and mention their etiology, clinical signs, diagnosis and treatment.	[CLO1, PLO1, C2]	4
2	(a)	Elaborate the reproductive disorders in male farm animals.	[CLO1, PLO3, C6]	3
	(b)	Show in tabular form the key measures of reproductive efficiency in farm animals.	[CLO1, PLO2, C3]	5
3	(a)	Define developmental biology and write its stages and applications.	[CLO1, PLO2, C2]	4
	(b)	Discuss the major areas within developmental biology including different techniques being used.	[CLO5, PLO2, C6]	4
4	(a)	Explain the fundamental concepts of gene expression regulation during embryonic development.	[CLO4, PLO2, C4]	4
	(b)	Describe the process of cleavage, blastocyst formation and implantation.	[CLO3, PLO2, C2]	4
5	(a)	Show in tabular form the seasonal reproduction patterns in farm animals.	[CLO1, PLO2, C3]	5
	(b)	Discuss on spermatogenesis, oogenesis and the mechanism of fertilization in farm animals.	[CLO1, PLO2, C6]	3