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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 2026

Course Code: 0512-1205 **Course Title:** Animal Reproduction and Embryology
Level and Term: L1, T2 **Section: 262-A** **Course Teacher Initials:** AR
Time: 1 Hour 30 Minutes **Total Marks:** 25

Answer the Following Questions:

				Marks
1	(a)	Define reproduction. Write the adaptive mechanisms related to reproductive ability.	[CLO1, PLO1, C1]	2.5
	(b)	Explain the external and internal factors responsible for reproduction.	[CLO1, PLO1, C2]	2.5
2	(a)	What is reproduction? Classify reproduction with examples.	[CLO1, PLO2, C3]	2.5
	(b)	Describe male reproductive system of cow with suitable figure.	[CLO1, PLO1, C4]	2.5
3	(a)	Define endocrine gland. Describe different types of hormone receptor with suitable example.	[CLO3, PLO1, C6]	3.0
	(b)	Illustrate the regulation of female reproductive hormones.	[CLO3, PLO2, C4]	2.0
4	(a)	What is a hormone? Mention the different reproductive hormones, their sites of secretion, and their functions.	[CLO3, PLO1, C1]	3.0
	(b)	Discuss the hormone-like substances that regulate reproductive function.	[CLO3, PLO2, C5]	2.0
5	(a)	What is primordial germ cell? How does it migrate during development of fetus.	[CLO2, PLO2, C2]	2.5
	(b)	Describe the process of oogenesis in human with suitable illustration.	[CLO2, PLO2, C5]	2.5

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