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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 Spring 2026

Course Code: 0512-1205

Course Title: Animal Reproduction and Embryology

Level and Term: L-1 and T-2

Section: 253 (A+B)

Course Teacher Initials: HKC

Time: 1 Hour 30 Minutes

Total Marks: 25

			Marks
1 (a)	Outline animal reproduction and embryology. Explain different types of animal reproduction.	[CLO1,PLO2,C2]	3
(b)	Demonstrate the core stages of embryonic development.	[CLO2,PLO2,C2]	2
2 (a)	Briefly discuss the female reproductive system of cattle with a diagram.	[CLO1,PLO2,C6]	3
(b)	Explain the male reproductive system of the Sheep (Ram).	[CLO1,PLO2,C5]	2
3 (a)	Elaborate on the female reproductive system of the goat.	[CLO1,PLO2,C4]	2
(b)	Discuss the reproductive system of a hen with a diagram.	[CLO1,PLO2,C6]	3
4 (a)	What is reproductive endocrinology? Elucidate the key reproductive hormones and hormone receptors.	[CLO3,PLO2,C1]	2.5
(b)	Elaborate on the properties of reproductive hormones. Diagrammatically represent the endocrine system	[CLO3,PLO2,C6]	2.5
5 (a)	Illustrate the uses of synthetic hormones in pregnancy and health.	[CLO3,PLO2,C3]	2
(b)	Elaborate on the transport and survival mechanisms of sperm, oocytes and embryos in vivo.	[CLO3,PLO2,C6]	3

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