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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 Summer 2026

**Course Code:** 0512-1205 **Course Title:** Animal Reproduction and Embryology
**Level and Term:** L1, T2 **Section: 261-A** **Course Teacher Initials:** AR
**Time:** 1 Hour 30 Minutes **Total Marks:** 25

**Answer the Following Questions:** Marks

| | | | | |
|---|---|---|---|---|
| 1 | (a) | Define reproduction. Write the scope of Animal Reproduction and Embryology. | [CLO1, PLO1, C1] | 2.5 |
| | (b) | Mention the factors responsible for reproduction | [CLO1, PLO1, C2] | 2.5 |
| 2 | (a) | What is reproductive system? Classify reproductive system. | [CLO1, PLO2, C3] | 2.5 |
| | (b) | Describe male reproductive system of poultry with 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 male reproductive hormones. | [CLO3, PLO2, C4] | 2.0 |
| 4 | (a) | What is hormone. Classify reproductive hormones. | [CLO3, PLO1, C1] | 3.0 |
| | (b) | Discuss about human chorionic gonadotropin (hGC). | [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 spermatogenesis in human. | [CLO2, PLO2, C5] | 2.5 |