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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 Code:**
GEB 0512-1103

Course Title: **Introduction to Animal Sciences**

**Level and Term:** L-1, T-1
**Time:** 02 Hours

**Section: 252 (A+B)**

**Course Teacher Initial: KMH**
**Total Marks: 40**

**Splitting any answer is strictly prohibited**

| | | | | Marks |
|---|---|---|---|---|
| 1 | (a) | Discuss the habitat and biotechnological significance of Aves (*Gallus domesticus*). | [CLO1, PLO2, C6] | 4 |
| | (b) | State external morphology and biotechnological significance of Mammalia. | [CLO1, PLO2, C4] | 4 |
| 2 | (a) | Elaborate apiculture farming including their technical, commercial and financial aspects. | [CLO1, PLO2, C6] | 4 |
| | (b) | Describe sericulture farming including their technical, commercial and financial aspects | [CLO5, PLO2, C2] | 4 |
| 3 | (a) | Discuss in brief the technical and commercial aspects of dairy and poultry farming. | [CLO1, PLO2, C6] | 4 |
| | (b) | State two major viral diseases of dairy animals mentioning their causal agents, aetiology, pathogenesis, clinical symptoms, diagnosis, treatment and control measures. | [CLO3, PLO2, C3] | 4 |
| 4 | (a) | Demonstrate two major bacterial diseases of dairy animals with their causal agents, aetiology, pathogenesis, clinical symptoms, diagnosis, treatment and control measures. | [CLO1, PLO2, C2] | 4 |
| | (b) | Describe two major bacterial diseases of poultry mentioning their causal agents, aetiology, pathogenesis, clinical symptoms, diagnosis, treatment and control measures. | [CLO1, PLO2, C1] | 4 |
| 5 | (a) | Discuss two major viral diseases of poultry with their causal agents, aetiology, pathogenesis, clinical symptoms, diagnosis, treatment and control measures. | [CLO1, PLO2, C4] | 4 |
| | (b) | Elaborate two major protozoan diseases of dairy animals mentioning their causal agents, aetiology, pathogenesis, clinical symptoms, diagnosis, treatment and control measures. | [CLO1, PLO2, C6] | 4 |