



Department of Genetic Engineering and Biotechnology
 Faculty of Health and Life Sciences
 B. Sc. (Hons.) in Genetic Engineering and Biotechnology
 Final Examination Fall 2025

Course Code: 0512-1103
Level and Term: L-1, T-1
Time: 2 Hours

Section: 253 (A+B)

Course Title: Introduction to Animal Sciences
Course Teacher Initials: DSR + DMI
Total Marks: 40

Splitting any answer is strictly prohibited

	Syn A	Marks
1 (a) Explain the terms animal ecology and ecosystem. Elaborate the components of animal ecosystem. [CLO1, PLO1, C2]		3.0
(b) Discuss the relationship of ecology with biological, environmental and physical sciences. [CLO1, PLO1, C6]		4.0
(c) List the branches of animal ecology. [CLO1, PLO1, C1]		1.0
2 (a) State the <u>technical</u> and <u>financial</u> aspects of apiculture. [CLO1, PLO1, C2]		4.0
(b) Discuss the commercial and financial aspects of poultry and dairy farming. [CLO1, PLO1, C6]		4.0
3 (a) Explain the <u>technical</u> and <u>commercial</u> aspects of sericulture. [CLO1, PLO1, C2]		3.5
(b) State the technical aspects of poultry and dairy farming. [CLO1, PLO1, C6]		3.5
(c) Define terms the apiculture. [CLO1, PLO1, C1]		1.0
4 (a) List five viral, five bacterial, five fungal diseases with mentioning causal agents. [CLO5, PLO2, C1]		4.0
(b) Write the causes, clinical symptoms and diagnosis of foot and mouth and anthrax disease. [CLO5, PLO2, C6]		4.0
5 (a) State the causes, clinical symptoms and treatment of fowl pox and new castle diseases. [CLO5, PLO2, C2]		4.0
(b) Discuss the clinical symptoms, diagnosis methods, and treatment of <u>mastitis</u> and <u>avian influenza</u> diseases. [CLO5, PLO2, C6]		4.0

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