ourdiu.com | Shared by Moinuddin Hasan Chisty

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 2025

Course Code: 0512-1203
Level and Term: L1, T2
Time: 1 Hour 30 Minutes

Section: 252 (A+B)

Course Title: Basic Microbiology
Course Teacher Initials: DSR & DNH
Total Marks: 25

Splitting any answer is strictly prohibited

			Marks
1	(a) Define Microorganism and Microbiology.	[CLO1, PLO2, C1]	2
	(b) Write the contributions of Antonie van Leeuwenhoek, Luis Pasteur, Edward Jenner, and Alexander Fleming in microbiology.	[CLO1, PLO2, C1]	3
2	(a) Explain the main principles of the Germ Theory of Disease.	[CLO1, PLO1, C2]	3
	(b) Write a short note on the scope of environmental microbiology.	[CLO2, PLO1, C3]	2
3	(a) Name the major types of microorganisms.	[CLO2, PLO1, C2]	1
	(b) State the key features of bacteria with structure.	[CLO1, PLO2, C2]	4
4	(a) What are viroids and prions?	[CLO1, PLO1, C2]	2
	(b) Illustrate the structure of a virus and describe the key characteristics of viruses.	[CLO1, PLO2, C2]	3
5	(a) Discuss the classification of microorganisms based on temperature.	[CLO2, PLO2, C2]	3
	(b) Write the application of microorganisms in the field of *Biotechnology*.	[CLO2, PLO2, C2]	2