ourdiu.com | Shared by Abdullah Tawsif (CSE-232)

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

Course Code: 0512-1203 **Course Title:** Basic Microbiology
Level and Term: L1, T2 **Section: 251** A, B **Course Teacher Initials:** DJA, MZA
Time: 1 hour and 30 minutes **Total Marks:** 25

Splitting any answer is strictly prohibited

				Marks
1	(a)	Discuss the historical debate surrounding the theory of spontaneous generation.	[CLO1, PLO1, C4]	2
	(b)	Explain the germ theory of disease.	[CLO1, PLO1, C2]	3
2	(a)	Classify bacteria based on their anatomical features with proper examples.	[CLO2, PLO2, C2]	2
	(b)	State the types of bacteria depending on oxygen availability.	[CLO2, PLO2, C1]	3
3	(a)	Differentiate batch and continuous culture methods.	[CLO4, PLO1, C4]	3
	(b)	Diagrammatically show the binary fission process for bacterial multiplication.	[CLO1, PLO1, C3]	2
4	(a)	Draw and label the detailed anatomy of a bacterial cell.	[CLO1, PLO1, C3]	2
	(b)	List down the economic importance of bacteria.	[CLO2, PLO2, C1]	3
5	(a)	Summarize different anaerobic culture methods.	[CLO4, PLO1, C2]	3
	(b)	Describe the concept and importance of microbial culture management.	[CLO5, PLO1, C2]	2

ourdiu.com