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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: 0611-1209
Course Title: Computer Fundamentals and Computational Biology
Level and Term: L-1, T-2
Section: 252 (A+B)
Course Teacher Initials: DNH
Time: 1 Hour 30 Minutes
Total Marks: 25

Splitting any answer is strictly prohibited

				Marks
1	(a)	Explain the following terms: operating system, programming language and multimedia.	[CLO1, PLO1, C2]	1.5
	(b)	Write short notes on: types of printers, functions of an operating system, and features of fifth generation computers.	[CLO1, PLO1, C1]	3.5
2	(a)	Describe the role of the CPU and the Motherboard in a computer system.	[CLO1, PLO2, C2]	3
	(b)	Discuss on Local Area Network (LAN).	[CLO1, PLO2, C3]	2
3	(a)	Define application software and describe its major categories with examples.	[CLO1, PLO2, C2]	3
	(b)	State the process of choosing the right software for a specific task.	[CLO1, PLO2, C5]	2
4	(a)	List the key components of the MS Word interface.	[CLO1, PLO1, C4]	2
	(b)	Explain how to insert tables, images, and hyperlinks in a Word Document.	[CLO1, PLO2, C5]	3
5	(a)	Write the key differences between a computer's RAM and HDD/SSD.	[CLO1, PLO2, C3]	3
	(b)	Describe how hardware and software work together.	[CLO1, PLO2, C6]	2