



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