



Department of Genetic Engineering and Biotechnology
Faculty of Health and Life Sciences
B. Sc. (Hons.) in Genetic Engineering and Biotechnology
Midterm Examination Summer 2026

Course Code: 0611-1209

Course Title: Computer Fundamentals and Computational Biology

Level and Term: L-1, T-2

Section: 261A

Course Teacher Initials: MAR

Time: 1 Hour 30 Minutes

Total Marks: 25

- | | | | |
|---|--|-------------------|---|
| 1 | (a) Define input and output devices. | [CLO1, PLO1, C1] | 2 |
| | (b) Explain computer components with examples. | [CLO1, PLO4, C4] | 3 |
| 2 | (a) Name two types of computer languages with examples. | [CLO1, PLO2, C1] | 2 |
| | (b) Analyze why software is important to run a computer and how software are co-dependent. | [CLO1, PLO4, C4] | 3 |
| 3 | (a) Distinguish the ethical dimension and security dimension of software development. | [CLO1, PLO2, C4] | 3 |
| | (b) Explain how application software assists a user. | [CLO1, PLO9, C1] | 2 |
| 4 | (a) Explain storage devices and internal components with examples. | [CLO1, PLO2, C2] | 3 |
| | (b) Compare application software and system software. | [CLO, PLO4, C5] | 2 |
| 5 | (a) Name two Microsoft software used in education and business with examples | [CLO3, PLO10, C1] | 2 |
| | (b) Explain how you will compose a text in Microsoft Word while using some shortcuts. | [CLO3, PLO10, C6] | 3 |