



# PRESIDENCY UNIVERSITY

## BENGALURU

### Mid - Term Examinations – October 2025

**Date:** 31-10-2025

**Time:** 11:00am – 12:30pm

<b>School:</b> SAHS	<b>Program:</b> Bsc. Cardiac Care & Technology	
<b>Course Code:</b> CSE1101	<b>Course Name:</b> Introduction to Computing	
<b>Semester:</b> I	<b>Max Marks:</b> 50	<b>Weightage:</b> 25%

CO - Levels	C01	C02	C03	C04	C05
<b>Marks</b>	<b>34</b>	<b>36</b>			

**Instructions:**

- (i) *Read all questions carefully and answer accordingly.*
- (ii) *Do not write anything on the question paper other than roll number.*

#### Part A

**Answer ALL the Questions. Each question carries 2marks.**

**10Q x 2M=20M**

<b>1</b>	What is the difference between hardware and software? Give one example of each.	<b>2 Marks</b>	<b>L1</b>	<b>C01</b>
<b>2</b>	Write the full form of <ul style="list-style-type: none"> <li>a.) CD-ROM</li> <li>b.) ALU</li> <li>c.) OLED</li> <li>d.) CRT</li> </ul>	<b>2 Marks</b>	<b>L2</b>	<b>C01</b>
<b>3</b>	Define an operating system (OS). Give any two examples of OS that you use in your day-to-day life.	<b>2 Marks</b>	<b>L2</b>	<b>C02</b>
<b>4</b>	Explain batch operating systems and give an example for the same.	<b>2 Marks</b>	<b>L1</b>	<b>C02</b>
<b>5</b>	What is a scanner and what is it used for? List the different types of scanners.	<b>2 Marks</b>	<b>L2</b>	<b>C01</b>
<b>6</b>	Classify the following devices into magnetic, optical or flash memory: <ul style="list-style-type: none"> <li>a. DVD</li> <li>b. USB/Pen drive</li> <li>c. Floppy disk</li> <li>d. SD/ memory card</li> </ul>	<b>2 Marks</b>	<b>L1</b>	<b>C01</b>

7	What is the function of the CPU in a computer? Name its two main units.	2 Marks	L1	CO1
8	State two differences between RAM and ROM.	2 Marks	L2	CO1
9	A national bank handles millions of transactions every day from ATMs, online transfers, and in-branch operations. The system must process all this data quickly, accurately, and securely.  Which type of computer would be most suitable for this purpose? Give one reason for your choice.	2 Marks	L3	CO2
10	List down the importance of understanding computer functions in healthcare.	2 Marks	L2	CO1

## Part B

Answer any 4 Questions. Each question carries 5marks.

4Q x 5M=20M

11.	What is a Mouse? What are the different types of mice? Explain the working of a mechanical mouse.	5 Marks	L4	CO1
12.	Explain the importance of computers in education sector	5 Marks	L3	CO2
13.	List down the different types of computers and explain workstation and servers in detail.	5 Marks	L2	CO1
14.	Explain different types of monitors and give advantages and disadvantages for each.	5 Marks	L2	CO1
15.	India's supercomputers, such as PARAM Siddhi-AI and Pratyush, are among the most powerful in the world. Explain where these supercomputers are located and discuss how they contribute to scientific and technological research in India.	5 Marks	L4	CO2
16.	Explain the functions of the CPU with the help of a neat labeled diagram.	5 Marks	L3	CO1

## Part C

Answer the Questions

1Q x 10M=10M

17.	What is an Operating system? Using a diagram illustrate the interaction between hardware, operating system, and application software. Explain the functions of an OS in detail.	10 Marks	L5	CO2
Or				
18.	Explain what is a bus and types of bus in detail with the help of a neat and labeled diagram.	10 Marks	L5	CO2

