

Roll No



**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF INFORMATION SCIENCE  
MID TERM EXAMINATION - OCT 2023**

**Semester** : Semester I - 2023

**Course Code** : CSA2002

**Course Name** : Sem I - CSA2002 - Computer Organization

**Program** : BCA/BCI

**Date** : 30-OCT-2023

**Time** : 11:30AM - 1:00PM

**Max Marks** : 50

**Weightage** : 25%

**Instructions:**

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

**PART A**

**ANSWER ALL THE QUESTIONS**

**(5 X 2 = 10M)**

1. Define Memory Access Time. (CO1) [Knowledge]
2. State DMA. (CO1) [Knowledge]
3. Define an interrupt. (CO1) [Knowledge]
4. State the usage of servers. (CO2) [Knowledge]
5. List the operations present in the computer system. (CO2) [Knowledge]

**PART B**

**ANSWER ALL THE QUESTIONS**

**(4 X 5 = 20M)**

6. Write a short note on Byte addressability. (CO1) [Comprehension]
7. Explain the hardware required to connect an I/O device with a bus. (CO1) [Comprehension]
8. Explain the concept of stack. (CO2) [Comprehension]

9. Write a short note on memory locations and addressing.

(CO2) [Comprehension]

**PART C**

**ANSWER THE FOLLOWING QUESTION**

**(1 X 20 = 20M)**

10. Answer the following questions:

a) Explain the different addressing modes with example.

b) Illustrate the connections between processor and memory with neat diagram.

(CO2) [Application]