Roll No: | | | | | | | | | | | |

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

PRESIDENCY UNIVERSITY

Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956
Approved by AICTE, New Delhi | Approved By BCI
Bengaluru

Mid Term Examinations - October 2026

Date: 06/10/2026 **Time:** 11:45 AM - 01:15 PM

Course Code: CSA1700 **Course Name:** Essentials of Cloud Computing

Semester: 3 Semester **Max. Marks:** 50 **Weightage:** 50%

CO - Levels	CO1	CO2
Marks	90	90

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	Define cloud computing.	2	CO1	BT1
2	List the differences between IaaS and PaaS.	2	CO1	BT1
3	Describe the role of a hypervisor in cloud computing.	2	CO2	BT2
4	What is Virtualization in cloud computing.	2	CO2	BT2
5	List the three major components of a virtualized environment.	2	CO2	BT1

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Illustrate the architecture of cloud computing and explain its major components.	10	CO1	BT2
7	Describe IaaS, PaaS, and SaaS in detail. Compare their features, responsibilities, and real-time applications.	10	CO1	BT2

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Compare Public Cloud, Private Cloud, Hybrid Cloud, and Community Cloud with their features, advantages, and applications.	10	CO1	BT3
9	Summarize the major limitations and challenges associated with cloud computing.	10	CO1	BT2

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	Examine and explain in detail the Characteristics of Virtualized Environments.	10	CO2	BT3
11	Demonstrate how to perform the hardware virtualization with examples.	10	CO2	BT2

PART E: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
12	Analyze the concepts of Network virtualization and Storage virtualization.	10	CO2	BT3

13	Explain how to functionality of Machine Reference Model in Taxonomy of Virtualization Techniques.	10	CO2	BT3