

Roll No																			
---------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF ENGINEERING
MID TERM EXAMINATION - OCT 2023**

Semester : Semester V - 2021

Course Code : CSE2013

Course Name : Sem V - CSE2013 - Cloud Computing

Program : B.TECH

Date : 30-OCT-2023

Time : 2:00PM - 3:30PM

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. Discuss about Cluster Computing
(CO1) [Knowledge]
2. What sort of applications benefit from the Cloud ?
(CO1) [Knowledge]
3. Explain about the Instruction Set Architecture Level (ISA)
(CO2) [Knowledge]
4. What is Hardware Abstraction Level (HAL)
(CO2) [Knowledge]
5. Discuss three major components of a Virtualized Environment.
(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

6. Compare the three cloud computing delivery models, SaaS, PaaS, and IaaS, from the point of view of the application developers and users. Analyze the differences between all the delivery models with their advantages and disadvantages.
(CO1) [Comprehension]
7. Why are virtualized environments so popular today? And elaborate on the different types of virtualization.
(CO2) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION

(1 X 20 = 20M)

8. The cloud deployment model identifies the specific type of cloud environment based on ownership, scale, and access, as well as the cloud's nature and purpose. A national bank requires high security, privacy, and reliability cloud deployment services, allowing only authorized persons to access resources. Suggest the best-suited deployment model for these requirements and discuss. List all the cloud deployment models and give a detailed note about them with their pros and cons.

(CO1,CO2) [Application]