

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

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

Semester : Semester VI - 2020

Course Code : CSE2013

Course Name : Sem VI - CSE2013 - Cloud Computing

Program : CSE,CBD,CBC,IST,CDS,CIT,ISE,CST,ECM,CDV&CCS

Date : 12-APR-2023

Time : 9.30AM - 11AM

Max Marks : 60

Weightage : 30%

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. What is grid computing
(CO1) [Knowledge]
2. What are the resources included in IaaS
(CO1) [Knowledge]
3. What is public cloud?
(CO1) [Knowledge]
4. Define virtualization.
(CO2) [Knowledge]
5. What is ABI?
(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(4 X 10 = 20M)

6. Simon, a businessman is in search of a PaaS based cloud service to support web application coded with Python and Go programming languages. Which cloud service is best suitable for him. Explain the services of that cloud in brief
(CO1) [Comprehension]

7. Which model allows to provide software application as a service to the end users? Explain the service with examples
(CO1) [Comprehension]
8. State and explain the characteristics of virtualized environment.
(CO2) [Comprehension]
9. If you are in need of unlimited storage and data availability, then which category of virtualization technology is helpful? How?
(CO2) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

(3 X 10 = 30M)

10. How different types of cloud are used in different situation? Explain with examples.
(CO1) [Application]
11. Hardware virtualization is the method used to create virtual versions of physical desktops and operating systems. What are the different types of hardware virtualization? Explain.
(CO1) [Application]
12. Virtualization enables the hardware resources of a single computer—processors, memory, storage and more—to be divided into multiple virtual computers, called virtual machines (VMs). What is process level virtualization. Explain the different types of process level virtualization
(CO2) [Application]