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**PRESIDENCY UNIVERSITY
BENGALURU**

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

Semester : Semester IV - 2021

Course Code : CSE2013

Course Name : Sem IV - CSE2013 - Cloud Computing

Program : CSG,CIT,CDV,CBD,CCS,CDS,CBC,CST&CSE

Date : 12-APR-2023

Time : 9.30AM - 11.00AM

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.*
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PART A

ANSWER ALL THE QUESTIONS

(5 X 2 = 10M)

1. Describe the use of Web2.0
(CO1) [Knowledge]
2. Give the importance of service orientation computing.
(CO1) [Knowledge]
3. List out any three vendors in each SPI Model.
(CO1) [Knowledge]
4. Identify the role of VMM in virtualization.
(CO2) [Knowledge]
5. Mention the benefits of virtualization in cloud computing.
(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(4 X 5 = 20M)

6. Explain the trends towards the distributed computing and mention the drawback in each phase.
(CO1) [Comprehension]
7. Discuss the cloud delivery models in detail.
(CO1) [Comprehension]

8. Explain the characteristics of virtualized environment with neat sketch.

(CO2) [Comprehension]

9. Draw the VMM structure and explain each module.

(CO2) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

10. A small business has decided to move its data and working functionalities onto the cloud. They are looking for universal accessibility data, easy data backup, and cost-efficient. They also need accounting software and customer service tools. Narrate the best suited deployment model for the considered business.

(CO1) [Application]

11. Several operating systems including Linux, Minix, NetBSD, FreeBSD, NetWare, and OZONE can operate as Paravirtualized, Xen guest operating systems running on x86, x86-64, Itanium, and ARM architectures, while VMware ESX Server supports full virtualization of x86 architecture. Now Distinguish the Full Virtualization and paravirtualization. Analyse how system level virtualization provides the functions.

(CO2) [Application]