PRN:		Course Code :	PCA1043R

First Year M.C.A. End Semester Examination Winter 2023

Cloud Computing

Day and Date: Tuesday, 19/12/2023 Max Marks: **100**

Time : 2.00 to 5.00 PM Duration: **03** hrs

Instructions: All questions are compulsory.

		Marks	Bloom's Level	CO
Q.1	**Attempt the following**			
a)	Demonstrate Elements of Parallel Computing..	08	L3	CO1
b)	Define Cloud Computing? Explain Characteristics and benefits of Cloud Computing.	08	L3	CO2
	OR			
b)	Explains Web 2.0. with it features.	08	L5	CO2
Q.2	**Attempt the following**			
a)	Develop Cloud Computing Architecture with diagrammatic representation.	08	L3	CO2
b)	Classify types of clouds with its features.	08	L3	CO2
	OR			
b)	Demonstrate a Platform as a service Model.	08	L2	CO4
Q.3	**Attempt any two from the following**			
a)	Explain Taxonomy of Virtualization Techniques.	08	L4	CO2
b)	Explain Virtualization in Cloud Computing.	08	L5	CO1
c)	What is virtualization? Infer the Characteristics of Virtualized Environment	08	L2	CO2
Q.4	**Attempt any two from the following**			
a)	Identify Open challenges of Cloud Computing	08	L3	CO1
b)	Explain concept of Virtualization using KVM with neat diagram	08	L2	CO2
c)	Construct steps for Creating virtual machines	08	L3	CO3
Q.5	**Attempt any Two of the following**			
a)	Demonstrate private cloud building blocks	09	L3	CO4
b)	Explain OpenStack networking component with diagrammatic representation	09	L5	CO4
c)	What is OpenStack? Explain basic OpenStack operations?	09	L2	CO4
Q.6	**Attempt any Two of the following**			
a)	Analyze Block Storage deployment?	09	L2	CO4
b)	Justify how to achieve Application orchestration using OpenStack Heat?	09	L3	CO4
c)	Illustrate essential aspects of computing deployment in openstack?	09	L2	CO4

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