Amrutvahini College of Engineering, Sangamner
Department of Electronics & Telecommunication Engineering

Prelim Examination (2022-23 SemesterI)

Subject: Cloud Computing
Marks: 70
Class: BE   **Duration: 2.30 Hr.**

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Instructions to the candidates:
(1) Answer Q. 1 or Q. 2, Q. 3 or Q. 4, Q. 5 or Q. 6, Q. 7 or Q. 8.
(2) Draw neat diagrams wherever necessary.
(3) Figures to the right indicate full marks.

Que. No.		Question	CO	BT Level	Marks
Q1.	a)	Briefly outline various implementation levels of virtualization	CO2	2	[06]
	b)	Describe storage virtualization and its method of implementation	CO2	2	[06]
	c)	Discuss Type 1 and Type 2 hypervisor.	CO2	2	[05]
		OR			
Q2.	a)	Describe the challenges and applications in virtualization.	CO2	2	[06]
	b)	Detail out the steps involved in a life VM migration.	CO2	2	[06]
	c)	Identify and describe the types of hardware level virtualization	CO2	2	[05]
Q3.	a)	Describe cloud Security CIA model pointing out its vital components.	CO3	4	[06]
	b)	Categorize various challenges and security issues in virtualization.	CO3	4	[06]
	c)	Describe cloud computing life cycle pointing to vital components.	CO3	4	[05]
		OR			
Q4.	a)	Describe fundamental components and characteristics of service oriented architecture .	CO3	4	[06]
	b)	Classify Firewall best on the OSI layer	CO3	4	[06]
	c)	Compare server side and client side encryption	CO3	4	[05]
Q5.	a)	Describe characteristics and features of Amazon EC2 Computer service	CO4	4	[06]
	b)	describe various cloud services offered by Microsoft Azer	CO4	4	[06]
	c)	describe application life cycle management	CO4	4	[06]
		OR			
Q6.	a)	Describe key features and characteristics of Google App Engine	CO4	4	[06]
	b)	Identify and elaborate components of Amazon Web Service (AWS) architecture	CO4	4	[06]
	c)	Compare storage and compute services.	CO4	4	[06]
Q7.	a)	Compare distributed computing and cloud computing.	CO5	4	[06]
	b)	Identify and elaborate different IoT enabling technologies.	CO5	4	[06]
	c)	Illustrate the Iot application for online professional networking the help of example.	CO5	4	[06]
		OR			
Q8.	a)	Pint out various components and characteristics of internet of things (IoT).	CO5	4	[06]
	b)	Describe anyone innovative application of internet of things	CO5	4	[06]
	c)	Illustrate the Iot application for online social networking with the help of example.	CO5	4	[06]

CO2	Classify the types of virtualization.
CO3	Examine the cloud architecture and understand the importance of cloud security.
CO4	Describe applications on cloud platforms.
CO5	Evaluate distributed computing and the internet of things.