

Model Question Paper-1 with effect from 2021 (CBCS Scheme)

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Seventh Semester B.E. Degree Examination
Subject Title Cloud Computing

TIME: 03 Hours**Max. Marks: 100**

Note: 01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			*Bloom's Taxonomy Level	COs	Marks
Q.01	a	Explain the cloud computing reference model with a neat diagram.	L1,L2	1, 2	7
	b	Explain the differences between public, private and hybrid cloud deployment models.	L1,L2	1, 2	7
	c	Elaborate the various cloud computing characteristics and its benefits.	L1,L2	1,2	6
OR					
Q.02	a	List & Explain the various cloud computing platforms and technologies.	L1,L2	1, 2	7
	b	What are the major distributed computing technologies that led to cloud computing.	L1,L2	1, 2	7
	c	Describe the main characteristics of a service-oriented computing.	L1,L2	1, 2	6
Module-2					
Q. 03	a	Explain the characteristics of virtualized environments.	L1,L2,L3	2, 3	7
	b	Give the taxonomy of virtualization techniques.	L1,L2,L3	2, 3	7
	c	What is virtualization and what are its benefits.	L1,L2,L3	2, 3	6
OR					
Q.04	a	Explain virtualization and cloud computing and pros and cons of virtualization.	L1,L2,L3	2, 3	7
	b	Explain hypervisors and its types.	L1,L2,L3	2, 3	7
	c	Discuss machine reference model of execution virtualization.	L1,L2,L3	2, 3	6
Module-3					
Q. 05	a	Briefly Explain cloud computing architecture with a neat diagram.	L1,L2,L3	2, 3	7
	b	Explain IAAS with a neat diagram.	L1,L2,L3	2, 3	7
	c	What is SAAS. Explain its characteristics and its initial benefits.	L1,L2,L3	2, 3	6
OR					
Q. 06	a	Explain PAAS with a neat diagram.	L1,L2,L3	2, 3	7
	b	Describe the fundamental features of the economic and business model behind cloud computing.	L1,L2,L3	2, 3	7
	c	List and Explain some of the challenges in cloud computing.	L1,L2,L3	2, 3	6
Module-4					
Q. 07	a	Explain operating system security and virtual machine security.	L1,L2,L3	3, 4	10
	b	Explain the security risks posed by shared images and management os.	L1,L2,L3	3, 4	10
OR					
Q. 08	a	Explain the concept of privacy impact assessment and its importance in cloud computing.	L1,L2,L3	3, 4	10

	b	Explain the following associated with cloud computing i) cloud security risks ii)Security: the top concern for cloud users.	L1,L2,L3	3, 4	10
Module-5					
Q. 09	a	Explain the core components of Google app engine.	L1,L2,L3	3, 4	10
	b	Discuss in detail the following media applications of cloud computing technologies. i) Animoto ii) Maya Rendering with Aneka iii)Video encoding on cloud.	L1,L2,L3	3, 4	10
OR					
Q. 10	a	Explain in detail about the application of cloud computing in i)Healthcare: ECG analysis in the cloud ii)Geoscience: satellite image processing	L1,L2,L3	3, 4	10
	b	Explain Amazon web services(AWS) in detail.	L1,L2,L3	3, 4	10

REVISED BLOOMS TAXONOMY LEARNING LEVEL (RBT)

L1: Remember	L2: Understand	L3: Apply	L4: Analyze	L5: Evaluate	L6: Create
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COURSE OUTCOMES (COs)

1	Understand and analyze various cloud computing platforms and service provider.
2	Illustrate various virtualization concepts.
3	Identify the architecture, infrastructure and delivery models of cloud computing.
4	Understand the Security aspects of CLOUD.
5	Define platforms for development of cloud applications

PROGRAM OUTCOMES (POs)

1	Engineering Knowledge	5	Modern tool usage	9	Individual and Team-Work
2	Problem Analysis	6	Engineer and Society	10	Communication
3	Design / Development Solutions	7	Environment and Sustainability	11	Project Management and Finance
4	Conduct Investigations of Complex problems	8	Ethics	12	Life-long Learning