CBCS SCHEME

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BAD515C

Fifth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025
Cloud Computing

Time: 3 hrs. Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

		Module – 1	M	L	C
Q.1	a.	Write a note on various computing paradigms.	07	L1	CO1
	b.	List the applications of HPC and HTC systems.	07	L1	CO1
	c.	Explain Multicore CPU with a neat diagram.	06	L2	CO1
		OR			
Q.2	a.	Explain the computing challenges in P2P network.	07	L2	CO1
	b.	Write a note on overlay networks.	07	L1	CO1
	c.	Explain the architecture of three virtual machine configurations.	06	L2	CO1
		Module – 2			
Q.3	a.	Discuss about the requirement of OS level virtualization. Also state the advantages and disadvantages of OS extensions.	10	L3	CO2
	b.	Explain Full virtualization and Para virtualization.	10	L2	CO2
		OR			
Q.4	a.	Describe CPU virtualization and memory virtualization.	10	L3	CO2
	b.	Describe the live migration of a virtual machine from one host to another host.	10	L3	CO2
		Module – 3			
Q.5	a.	Explain the design objectives of cloud computing.	07	L2	CO3
	b.	Explain different types of cloud computing models.	07	L2	CO3
	c.	Write a note on the basic requirements for managing resources of a datacenter.	06	L1	CO3
		OR			
Q.6	a.	Explain layered cloud architecture with a diagram.	07	L2	CO3
	b.	Discuss about the challenges in cloud architecture development.	13	L3	CO3
		Module – 4			
Q.7	a.	Explain the security risks faced by cloud users and cloud service providers.	10	L2	CO4
	b.	Discuss about privacy and the import of privacy.	10	L3	CO4
		OR			
Q.8	a.	Write a note on operating system security.	10	L1	CO4
	b.	Write a note on virtual machine security.	10	L1	CO4
		Module – 5			
Q.9	a.	Discuss about the system issues for running a parallel program in either a parallel or distributed manner.	07	L2	CO5
	b.	Explain the architecture of Google File System.	07	L2	CO5
	c.	Write a note on Amazon Simple Storage Service.	06	L1	CO5
		OR			
Q.10	a.	Write a note on emerging cloud software environments.	10	L1	CO5
	b.	Describe the Manjrasoft Aneka cloud platform.	10	L4	CO5

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