B

1000CST423122204

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Reg No.:	Name:	*	18/0		ON THE
	AM TECHNOLOGICAL UNIVIPED (R, S) Examination December 2		1.4	Scheme)	

Course Code: CST423 Course Name: CLOUD COMPUTING

		Course Name: CLOUD COMPUTING	
Ma	ıx. N	Marks: 100 Duration: 3	Hours
		PART A Answer all questions, each carries3 marks.	Marks
1		Compare traditional computing and cloud computing.	(3)
2		Why cloud delivery models can be referred as a cloud service delivery model?	(3)
3		What is emulation virtualization?	(3)
4		Discuss pros and cons of virtualization.	(3)
5		Differentiate Multitenancy and Virtualization.	(3)
6		Explain OpenNebula cloud provider.	(3)
7		What are Authenticity and Availability in Security?	(3)
8		What are VMM and VM-based security threats.	(3)
9		Differentiate between Amazon S3 and Amazon EBS	(3)
10		List the storage services offered by Microsoft Azure.	(3)
1		PART B Answer any one full question from each module, each carries 14 marks.	
		Module I	
11	a)	Explain NIST reference cloud model with neat diagram.	(8)
	b)	How laaS provides cloud consumers with a high level of control and	(6)
٠		responsibility for its utilization?	k.
	-	OR	
12	a)	List the benefits and challenges of cloud computing.	(6)
	b)	Classify various types of cloud.	(8)
		Module II	
13	a)	Compare non virtual and virtual machine environments.	(6)
	b)	Explain Para-virtualization with a neat diagram.	(8)
		OR	

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14	a)	Explain storage virtualization with a diagram.	(6)
	b)	What is Xen? Discuss its elements for virtualization.	(8)
		Module III	
15	a)	List the data centre technology components. Explain any two.	(6)
	b)	Compare static and dynamic resource provisioning in cloud computing. Explain	(8)
		each with example.	
		OR	
16	a)	Draw the Eucalyptus architecture and explain its key functionalities	(6)
	b)	Explain components of MapReduce architecture and discuss its advantages with	(8)
	•	an example.	
		Module IV	
17	a)	Write different types of internal security breaches in cloud computing. Also,	(6)
		explain the steps to reduce cloud security breaches.	
	b)	Explain operating system security in cloud computing.	(8)
		OR	
18	a)	What do you mean by risks management? Explain different types of ongoing	(8)
		risks management process.	
	b)	Discuss the security risks posed by shared images with suitable example.	(6)
		Module V	
19	a)	What does Elastic Compute Cloud (EC2)? Explain its features.	(8)
	b)	Explain the architecture of Amazon S3.	(6)
		OR	
20	a)	Discuss the core components of Google App Engine.	(8)
	b)	Write notes on Goole Docs and Google Drive.	(6)