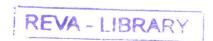
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Sixth Semester B.Tech CSE Semester End Examination May/June 2018 Course (Subject): Virtualization & Cloud Computing Course Code: BTCS15F6200

Tir	ne:	3 Hours Max. Mar	rks: 100
		Note: 1. Answer one full question choosing from each Section. 2. Your answer should be specific to the questions asked. UNIT-I	
1	a)	Cloud computing as a definition remains very controversial. When asked to define cloud computing, definition is stated liable to a particular application with no unanimous definition, making it altogether vague. In this context, state at least three definitions of cloud computing opined by different experts.	10
	b)	Appraise six specific characteristics of cloud computing. Explain any two of them in detail.	5
	c)	Elucidate the Risks and Challenges involved in cloud computing. OR	10
2	a)	State what is a hypervisor and how it is controlled by VIM. Justify its significance in virtualization.	5
	b)	Compare and contrast different deployment models of cloud and also state in what scenario each model is useful.	10
	c)	List three advantage and disadvantages of cloud computing. Explain any three advantages in detail.	10
		UNIT-II	
3.	a)	Dissertate the following: i) Logical Network Perimeter ii) Cloud Storage Device iii) Resource Replication	15
	b)	Discuss any two data center technology. OR	10
4.	a)	Explain the significance of virtual servers in context of cloud computing.	9
	b)	Discuss various cloud storage levels.	8
	c)	Show the Inter-networking architecture of an Internet-based deployment model. Also explain it.	8
		UNIT-III	
5.		Write a note on SLA monitor and also discuss how QoS requirements are fulfilled.	7
	b)	Explain the following: i) Load Balancer ii) Pay-Per Use Monitor iii) Failover System iv) Resource Cluster	10



c) Write a note on Automated Scaling Listener.

c) Outline the disadvantages of virtualization.

		OR	
6.	a)	Discuss how to use Multi Device broker mechanism for cloud service and also	10
		discuss how it facilitates runtime data transformations.	
	b)	With respect to cloud management mechanism, explain the significance of	10
		resource management system.	
	c)	With respect to cloud management mechanism, explain the significance of	5
		billing management system.	
		UNIT-IV	
7.	a)	Discuss different levels of Virtualization implementation.	8
	b)	Enumerate the virtualization techniques and its advantages.	12
	c)	Justify the significance of virtualization support at OS level.	5
		OR	
8.	a)	Mention the characteristics of virtualized environments? Explain in detail	10
		with the help of examples.	
	b)	Discuss the CPU virtualization.	9