M. Tech –II Semester Regular/ Supply Examinations, October, 2015
CLOUD COMPUTING
(Common to SE, IT, CS&T and CS&E)

Time: 3 Hours   **Max Marks: 60**
Answer any FIVE questions
All questions carry EQUAL marks
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1	a	What is virtualization? How virtualization is useful in Grid Computing?	[6]
	b	Differentiate between traditional way of computing and on demand computing.	[6]
2	a	Explain how collaborative computing lead to the development of cloud computing.	[5]
	b	With respect to cost of computing how managed outsourcing services and cloud services differ?	[7]
3	a	What is capacity planning? How to estimate load for capacity planning?	[6]
	b	Explain about Dynamic, Proactive and Reactive capacity scaling.	[6]
4	a	What are the challenges in cloud services with respect to software licenses?	[6]
	b	What is the criteria and procedure to estimate cloud service availability?	[6]
5	a	What is reliability of a cloud service? How it is related to availability?	[5]
	b	Draw and explain the basic architecture of web applications.	[7]
6		Write about the following cloud service models:	
		a. Storage – as – a – service	
		b. Governance – as – a – service	
		c. Testing – as – a – service	[12]
7	a	What is a machine image? What are the steps involved in establishing a machine image?	[6]
	b	What are clustering and replication? What is their role in cloud database design?	[6]
8	a	How data segmentation can protect sensitive information in cloud systems?	[6]
	b	What are different types of data to be backed up to help cloud disaster recovery?	[6]

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