

--	--	--	--	--	--	--	--	--	--

**First Semester M.Tech. Degree Examination, Dec.2013/Jan.2014****Cloud Computing**

Time: 3 hrs.

Max. Marks:100

**Note: Answer any FIVE full questions.**

- 1 a. Draw simple GRID architecture diagram. Name and describe different types of grids. (05 Marks)  
b. Draw a diagram of data center cloud. List different measurable results of virtualization. (05 Marks)  
c. List different initiatives towards building cloud and dynamic infrastructure. (05 Marks)  
d. Mention any two characteristics of cloud computing. Mention any 3 barriers to large-scale cloud adoption. (05 Marks)
- 2 a. Describe major types of cloud computing deployment models with examples. (10 Marks)  
b. Discuss some security concerns to be considered for cloud deployments. (10 Marks)
- 3 a. Mention and describe five major types of cloud solutions with example for each category. (10 Marks)  
b. Describe the conceptual cloud model in terms of its layered composition and elements. (10 Marks)
- 4 a. Name any five unique considerations required during cloud application planning. (05 Marks)  
b. Describe any five benefits of computing on demand for users. (05 Marks)  
c. Describe cloud stack. Mention its value proposition. Conduct a cloud stack requirement analysis. (10 Marks)
- 5 a. Describe the need and process of testing under cloud. (10 Marks)  
b. Discuss information security aspects as related to cloud computing. (10 Marks)
- 6 a. Describe the process and elements of provisioning. (10 Marks)  
b. Discuss cloud chargeback models. (10 Marks)
- 7 a. Define virtualization. List its four benefits for business. (05 Marks)  
b. Describe different initiatives that are active in industry and explain how they help in infrastructure domain. (15 Marks)
- 8 a. Define SOA. Explain different aspects of SOA vision. (05 Marks)  
b. Explain SOA based cloud infrastructure steps in detail. (10 Marks)  
c. Describe SOA and cloud infrastructure. (05 Marks)