

CBCS Scheme

16SCS/SCE12

USN

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

First Semester M.Tech. Degree Examination, Dec.2016/Jan.2017 Cloud Computing

Max. Marks: 80

Time: 3 hrs.

Note: Answer FIVE full questions, choosing one full question from each module.

Module-1

- 1 a. What is Cloud Computing? Explain briefly cloud computing delivery models and deployment models (08 Marks)
b. Explain briefly with block diagram various entities involved in cloud computing according to NIST reference model. (08 Marks)

OR

- 2 a. Briefly explain cloud computing at Amazon with services offered by AWS. (08 Marks)
b. What is Vendor lock – in and discuss a solution RAID – 5 controller with a neat block diagram. (08 Marks)

Module-2

- 3 a. Discuss Workflows : Coordination of multiple activities and basic workflow patterns in cloud. (08 Marks)
b. Explain briefly the Zoo keeper coordination service. (08 Marks)

OR

- 4 a. Explain MapReduce philosophy, with a neat block diagram. (08 Marks)
b. Explain with a neat block diagram, Grep the Web Application. (08 Marks)

Module-3

- 5 a. Discuss the concept of virtualization in cloud computing and also explain briefly the Full virtualization and Para virtualization. (08 Marks)
b. Briefly explain the Xen a VMM based on Para virtualization. (08 Marks)

OR

- 6 a. What are Virtual machines? Differentiate between traditional and hybrid virtual machines. (08 Marks)
b. What are Virtual Machine Monitors (VMMs)? Explain the working of VMM and give examples. (08 Marks)

Module-4

- 7 a. Discuss policies and mechanisms for resource management in cloud. (08 Marks)
b. Discuss feedback control based on dynamic thresholds for resource management. (08 Marks)

OR

- 8 a. Explain briefly cloud scheduling subject to deadlines. (08 Marks)
b. Discuss Resource management and dynamic scaling. (08 Marks)

Module-5

- 9 a. In general discuss cloud security risks. (08 Marks)
b. Briefly explain the various attacks in a cloud computing environment. (08 Marks)

OR

- 10 a. Discuss Implications of virtualization on security. (08 Marks)
b. What are the top threats to cloud computing? (08 Marks)

* * * * *

Summary Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal or contact details on the remaining blank pages will be treated as malpractice.