

3/12
19.

Exam.Code:1007
Sub. Code: 7715

1128
M.E. (Information Technology)
Third Semester
MEIT-313: Cloud Computing

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I. Define the following:-

- a) Desktop Virtualization
- b) PaaS
- c) Hypervisor
- d) AWS
- e) Security Policy

(5x2)

UNIT - I

- II. Differentiate between Grid computing, Distributed computing and cloud computing. Also draw the relationship between them. (10)
- III. a) What is virtualization ? Discuss with examples the impact of virtualization over different cloud services.

b) Amazon Machine Images (AMI) use Hardware Virtual Machine (HVM) as well as Para virtualization (PV). Mention the respective situations in which AMI's can use PV or HVM. (6,4)
- IV. a) In cloud environment, when it is required to migrate VM from one host to another? Explain the different strategies to do VM migration.

b) Discuss the cloud federation stack considering open stack as a case study. (6,4)

UNIT - II

- V. Are cloud secured? What are the challenges in cloud computing in terms of application security, server security and network security? (10)

P.T.O.

(2)

VI. List the pros and cons of using heterogeneous clouds. How RightScale manage the multi-cloud environment? (10)

VII. Write short notes on any two of the following:-

a) Risk Management

b) Security Architecture Design framework

c) Cloud computing in Banking

(5,5)

x-x-x