2062

B.E. (Information Technology) Eighth Semester

IT-803(a): Cloud Computing

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt _five_ questions in all, including Question No. I 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. What is Virtualization? Discuss with examples the impact of virtualization over different cloud services. (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. What are the challenges in cloud computing in terms of application security, server security and network security? (10)

VI. List the pros and cons of using heterogeneous clouds. How Right Scale 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