2054
B.E. (Information Technology) Eighth Semester
PCIT-802: 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) Cloud Service models

b) Application Security

c) Cloud management layer

d) Server Virtualization

e) Service Hijacking (5x2)

UNIT - I

II. According to NIST Cloud reference model, discuss its essential characteristics and different deployment models. (10)

III. a) Compare and contrast the features of AWS, Azure, Microsoft and Google cloud vendors.

b) What is a hypervisor? How is it helpful in implementing the cloud architecture? Also explain its types. (4+6)

IV. What is virtual private cloud? Discuss the implementation of private cloud using Openstack. (10)

UNIT - II

V. What is multi cloud management platform? How RightScale helpful in implementing the multicloud? (10)

VI. Differentiate between threat and attack. Explain the abuse and nefarious use and Insecure API threats in Cloud computing. (10)

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

a) Big data analytics on Cloud

b) Migration Paths for cloud

c) Cloud computing in Business (5+5)

x-x-x