R13

B.Tech III Year II Semester (R13) Supplementary Examinations December 2016
CLOUD COMPUTING
(Common to CSE & IT)

Time: 3 hours   Max. Marks: 70

PART - A
(Compulsory Question)
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1   Answer the following: (10 X 02 = 20 Marks)

   (a)   What is the requirement of virtualization platforms in implementing cloud?

   (b)   Explain the need for computer cluster.

   (c)   What are the platforms used for large scale cloud computing?

   (d)   What are the different models for deployment in cloud computing?

   (e)   Enumerate the services focused towards infrastructure as a service (Iaas).

   (f)   What are the key features of Aneka cloud computing platform?

   (g)   Why is service level agreement important in cloud computing?

   (h)   Explain the advantages for companies to run their applications in cloud.

   (i)   What is cloud security alliance?

   (j)   List the key performance indicators (KPI) for acceptance testing.

PART - B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT - I

2   Discuss the advantages of cloud over traditional distributed systems.

OR

3   Explain the issues and challenges to be faced by the enterprises in migrating to cloud.

UNIT - II

4   Discuss the layers and types of clouds in detail.

OR

5   Explain the procedure for migration into cloud environment.

UNIT - III

6   Describe how OpenNebula model manage VMs in a virtual infrastructure.

OR

7   Explain the Aneka architectural framework in detail.

UNIT - IV

8   Explain the architecture of federated cloud computing environment in detail.

OR

9   Explain the concepts of cloud Mashups in detail.

UNIT - V

10   Explain the cloud service life cycle in detail.

OR

11   Discuss the legal issues involved in cloud computing.

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