

Time: 3 hours

Marks: 80

Q1 is compulsory Attempt any 3 Out of 5

Q.1

[20]

- a) "Cloud Computing", what do you understand by this term? How this is different from cluster computing, grid computing, utility computing and service oriented computing.
- b) Explain the need of Virtualization in the Context of Cloud Computing. Compare type 1 and type 2 Virtualization.

Q.2

[20]

- a) Explain the architecture of Eucalyptus Cloud with its mode of operation
- b) Explain IaaS, PaaS, SaaS with example.

Q.3

[20]

- a) Explain Amazon's NOSQL Database services.
- b) Explain adoption of public cloud by SMBs

Q.4

[20]

- a) Discuss the questions that Enterprise must ask Cloud vendor.
- b) List the implementation level of Virtualization

Q.5

[20]

- a) What is the managed Private Cloud? Compare on premises private cloud, managed private cloud, public and hybrid Cloud
- b) What are risks associated with Cloud computing

Q.6 write a short note [any 4]

[20]

- a) Federated Cloud
- b) Cloud Storage Gateways
- c) AAA
- d) Mobile Cloud Computing
- e) Cloud Migration Techniques