

Total No. of Questions : 10]

SEAT No. :

P3566

[Total No. of Pages : 2

[4959] - 1166

B.E. (Computer Engineering) (Semester - II)

CLOUD COMPUTING

(2012Pattern) (Elective - III (c))

Time : 2 $\frac{1}{2}$ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or Q.10.*
- 2) *Figures to the right indicate full marks.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Assume suitable data if necessary.*

Q1) a) Write a short note on open nimbus architecture. **[4]**

b) Explain role of networking in cloud computing. **[6]**

OR

Q2) a) Explain service models of cloud computing in detail. **[6]**

b) Write a short note on Vmware architecture. **[4]**

Q3) a) Write a short note on: **[6]**

i) OS level virtualization.

ii) Application level virtualization.

b) Differentiate between SAN and NAS. **[4]**

OR

Q4) a) Elaborate HDFS architecture in detail. **[6]**

b) Write a short note on HBase. **[4]**

P.T.O.

- Q5)** a) Explain virtual machine life cycle in detail. [6]
b) Explain virtual machine provisioning process in detail. [6]
c) Elaborate benefits of converged infrastructure. [4]

OR

- Q6)** a) Explain anatomy of cloud infrastructure. [8]
b) Explain virtual machine migration techniques in detail. [8]

- Q7)** a) Differentiate between “Classical” HPC and HPC in cloud environments. [6]
b) Compare performance of HPC system and HPC on clouds. [6]
c) Explain key components of SLA. [6]

OR

- Q8)** a) Elaborate cloud service life cycle phases in detail. [6]
b) Explain the phases of SLA management of application hosted on cloud platform. [6]
c) Write a short note on SOAP versus REST. [6]

- Q9)** a) Explain virtualization software security in detail. [8]
b) Explain threads in cloud computing. [8]

OR

- Q10)** a) Explain IaaS Host security in detail. [8]
b) Explain identity life cycle management phases in detail. [8]

