

Total No. of Questions : 6]

SEAT No. :

P5197

[Total No. of Pages : 2

B.E./Insem.-598
B.E. (Information Technology)
CLOUD COMPUTING
(2012 Pattern) (Elective - I) (Semester - I)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:-

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

- Q1)** a) Compare Public Cloud and Private Cloud. [3]
b) Describe in brief any three characteristics of cloud computing. [3]
c) What do you mean by service scalability over the cloud? Explain. [4]

OR

- Q2)** a) With the help of diagram explain four dimensions of cloud cube model. [6]
b) Discuss the key guidelines given by NIST related to managing security and privacy issues in cloud computing. [4]

- Q3)** a) Explain with diagram difference between process, host and native virtual machine. [6]
b) Describe in brief Pitfalls of Virtualization. [4]

OR

- Q4)** a) Compare Type I and Type II hypervisors with the help of diagram. [6]
b) Compare KVM hypervisor with Xen hypervisor. [4]

P.T.O.

Q5) a) Describe following principles of cloud computing [8]

- i) Federation
- ii) Independence
- iii) Isolation
- iv) Elasticity

b) Enlist any four features of federation type. [2]

OR

Q6) a) Describe Internal Threats with reference to RESERVOIR architecture. [7]

b) Enlist performance related issues of HPC in the cloud. [3]

