

Total No. of Questions : 10]

P3132

[5154]-698

B.E.(I.T.)

SEAT No. :

[Total No. of Pages : 2

CLOUD COMPUTING

(2012 Pattern) (End-Semester) (Semester-I) (Elective-I)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Use of Calculator is allowed.
- 5) Assume Suitable data if necessary.

- Q1)** a) Describe in brief the services offered by cloud computing. [6]
b) Explain in brief following terms with reference to cloud computing: [2]
i) On demand self provisioning
ii) Elasticity
iii) Cost reduction
iv) Application program interfaces
OR
- Q2)** a) Which type of Cloud service is provided by ‘gmail’? justify. [6]
b) Define cloud computing as per NIST. [2]
- Q3)** a) Explain the virtualization techniques in cloud computing. [6]
b) Enlist features of federation types. Explain any one in brief. [6]
OR
- Q4)** a) Discuss in brief following basic principles of cloud computing. [6]
i) Federation
ii) Independence
iii) elasticity
b) Compare KVM, Xen and HyperV. [6]

- Q5)** a) Discuss the top security concerns for cloud users. [8]
b) Enlist & describe security risks posed by shared images. [8]
- OR
- Q6)** a) Describe in brief ‘Operating System Security’. [8]
b) Enlist and explain different forms of Trust. [4]
c) Discuss different aspects related to contract between the user and the Cloud Service Provider to minimize security risks. [4]
- Q7)** a) Explain Google App Engine with the help of diagram. [8]
b) State and explain any two cloud computing applications. [8]
- OR
- Q8)** a) Explain the storage services offered by Amazon EC2 cloud. [8]
b) Write short note on ‘Open Nebula’. [8]
- Q9)** a) Describe Context Aware operational life cycle. [10]
b) Discuss any four common myths about ubiquitous computing. [8]
- OR
- Q10)** a) Describe methods to acquire user Inputs related to human centered design. [8]
b) Explain the following service architectural models: [10]
i) Multi tier client service model
ii) Service oriented computing model.

