

Total No. of Questions :10]

SEAT No. :

P2051

[Total No. of Pages : 2

[5059] - 656

B.E. (Computer Engineering) (Semester - II)
CLOUD COMPUTING (Elective - III)
(2012 Pattern)

Time :2½ 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, and Q 7 or Q 8 and 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 is necessary.*

- Q1)** a) Write a short note on openstank architecture. [4]
b) Explain cloud deployment models in detail. [6]

OR

- Q2)** a) Elaborate characteristics of cloud computing. [6]
b) Explain cloud computing reference model. [4]

- Q3)** a) Explain characteristics of virtualized environments in detail. [4]
b) Explain in detail KVM architecture. [6]

OR

- Q4)** a) How does virtual provisioning simplifies cloud storage management?[6]
b) Write a short note on Dynama. [4]

- Q5)** a) Explain virtual mochine migration techniques in detail. [10]
b) Elaborate process of SLA commitment. [6]

OR

- Q6)** a) How opennebula cloud models and manages VMS in virtualized infrastructure. [8]
b) Explain scheduling techniques in cloud computing. [8]

P.T.O.

- Q7)** a) Explain the model for federated cloud computing. [6]
b) Explain performance related issues for HPC in cloud computing. [6]
c) What do you mean by SLA? Elaborate various types of SLA. [6]

OR

- Q8)** a) Write a short note on. [9]
i) SOAP versus REST.
ii) Work flow modeling
b) Explain traditional approaches of SLA. [9]

- Q9)** a) Write a short note on following offering on saas segment to improve information security. [12]
i) Email filtering
ii) Web content filtering
iii) Vulnerability management
iv) Identity management - as - a - service (IaaS)
b) What are data security risks? How will you mitigate these risks. [4]

OR

- Q10)** a) Explain in detail IAM architecture. [8]
b) Explain information security concerns associated with data stored in cloud. [8]

