

Total No. of Questions : 12]

SEAT No. :

P1448

[4759]-204

[Total No. of Pages : 2

B.E. (Computer Engineering)
CLOUD COMPUTING
(2008 Course) (Semester-II) (Elective-IV)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *Answer to the two sections should be written in separate answer-books.*
- 2) *Answer any three questions from each section.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Figures to the right side indicate full marks.*

SECTION-I

- Q1)** a) Define Cloud? Discuss different cloud computing service models? [6]
b) Discuss Organizational Scenarios in cloud computing. What are the benefits and limitations of cloud in business model? [10]

OR

- Q2)** a) Discuss Google App.Engine. [10]
b) What is utility computing? Discuss. [6]
- Q3)** a) What is hypervisor? What are different hypervisor vulnerabilities? [10]
b) Compare SOAP and REST? [6]

OR

- Q4)** a) Discuss Ajax. What do you mean by asynchronous interfaces?. [8]
b) What is multitenancy? What is multi-schema approach? [8]
- Q5)** a) Define cloud file system.Compare GFS With HDFS. [10]
b) Discuss map reduce model with suitable example. [8]

OR

- Q6)** a) What is HBase? Explain in detail. [10]
b) Explain different parallel architectures. Elaborate differences between row oriented and column oriented approach. [8]

P.T.O.

SECTION-II

Q7) a) Discuss cloud security concerns with respect to public, private and hybrid cloud. [8]

b) Define trusted cloud computing with suitable examples? [8]

OR

Q8) a) What is Virtual Machine? Discuss VMM in detail. [8]

b) How does one can ensure secure execution environments and communications in cloud environment? [8]

Q9) a) What are the issues in cloud computing? Discuss Quality of Service Issues in Cloud Computing. [8]

b) Discuss dependability. Explain data migration with suitable example. [8]

OR

Q10) a) Explain cloud middleware. Discuss a grid of clouds. [10]

b) Explain sky computing. How the load balancing is done in cloud?. [6]

Q11) a) What is Nimbus? Discuss in detail the cloudinit.d and context broker. [10]

b) Explain different features and functions of Virtual Computing Lab. [8]

OR

Q12) a) Discuss Eucalyptus implementation and its components. [10]

b) Discuss and differentiate Open Nebula and Nimbus. [8]

