

Total No. of Questions : 8]

SEAT No. :

PC-2412

[Total No. of Pages : 2

[6354]-530

B.E. (E & TC)

CLOUD COMPUTING

(2019 Pattern) (Semester - VII) (404183)

Time : 2 ½ 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.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right carry full marks.
- 4) Assume suitable data, if necessary.

- Q1)** a) Describe Network Virtualization with advantages and disadvantages. [6]
b) Differentiate between Virtualization and Cloud Computing. [6]
c) Draw and explain Bare Metal and Hosted virtualization techniques. [6]

OR

- Q2)** a) Explain any three virtualizations software. [6]
b) Explain in detail advantages and disadvantages of Virtualization. [6]
c) Write a short note on Applications of Virtualization. [6]

- Q3)** a) Draw and explain Service Oriented Architecture (SOA). [6]
b) Explain the security issues and risks in virtualization. [6]
c) Describe the role of actors in NIST cloud computing reference architecture. [5]

OR

- Q4)** a) Write short note on following : [6]
i) Firewall
ii) Host Security
b) Describe steps involved in life cycle of cloud computing. [6]
c) Explain with example how data security provided in social media. [5]

P.T.O.

- Q5)** a) Discuss the advantages and disadvantages of Google App Engine. [6]
b) Explain the following services of AWS : [6]
i) Amazon Cloud-front
ii) Amazon RDS
iii) DynamoDB
c) Describe the different techniques for cost estimation in cloud computing. [6]

OR

- Q6)** a) Explain the following cloud platforms: [6]
i) Hadoop
ii) Force.com
b) Describe in brief various Azure Services. [6]
c) Explain different communication services in cloud computing. [6]
- Q7)** a) Discuss the advantages and disadvantages of Distributed Systems. [6]
b) Enlist the social networking services provided over web and mobile and elaborate the fields where it is popular. [6]
c) Explain role of cloud computing in IoT. [5]

OR

- Q8)** a) Describe in brief the following Enabling Technologies of IoT. [6]
i) Communications Protocols
ii) Embedded Systems
b) Write a short note on innovative applications of IoT. [6]
c) Explain the challenges of Social Networking. [5]

