

Total No. of Questions : 8]

SEAT No. :

P6614

[Total No. of Pages : 2

[6181]-177

B.E. (E. & TC)

CLOUD COMPUTING

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

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.
- 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 the structure and types of virtualization. [6]

b) Explain in brief Virtual Clusters. [6]

c) Write short notes on: [6]

i) Desktop virtualization.

ii) Network virtualization.

OR

Q2) a) Describe the components of virtual machine. [6]

b) Describe the various methods of implementing storage virtualization. [6]

c) Compare Type I and Type II hypervisors with the help of diagram. [6]

Q3) a) Explain the design principles of cloud computing services. [6]

b) Draw and explain cloud computing life cycle. [6]

c) Enlist the elements of cloud security architecture with suitable diagram. [5]

OR

Q4) a) Elaborate the cloud computing reference architecture. [6]

b) Explain the types and functions of firewall. [6]

c) Describe the security challenges for cloud service customers. [5]

P.T.O.

- Q5)** a) Explain the steps to create and manage associated objects for Amazon S3 Bucket. [6]
b) Explain Google App Engine application life cycle. [6]
c) Explain the different cost models in cloud computing. [6]

OR

- Q6)** a) Describe Amazon EC2 cloud in brief considering following points: [6]
i) Amazon Machine Image
ii) Amazon Cloud Watch
b) Write short on Microsoft Azure. [6]
c) Explain different services provided by Google Cloud Platform. [6]

- Q7)** a) Draw and explain the architecture of the IoT. [6]
b) Define Distributed Computing and discuss the different types of Distributed System. [6]
c) Explain any two enabling technologies for IoT. [5]

OR

- Q8)** a) Explain any three innovative applications of IoT. [6]
b) Differentiate between Distributed Computing and Cloud Computing. [6]
c) Write short note on: Online social and Professional Networking. [5]

