

Total No. of Questions : 8]

PB-2288

SEAT No. :

[Total No. of Pages : 2

[6263]-126

B.E. (E & TC)

CLOUD COMPUTING

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

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, Q.7 or Q.8.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Assume suitable data, if necessary.

- Q1)** a) Describe the concept of storage virtualization and explain its implementation methods. [6]
- b) Explain Virtual Cluster and Resource Management. [6]
- c) Discuss the disadvantages of Hardware Level Virtualization along with the solutions to overcome. [6]

OR

- Q2)** a) Explain Full and Para Virtualization with example. [6]
- b) Describe different types of Virtualization. [6]
- c) Define virtual cluster and compare it with physical cluster. [6]

- Q3)** a) Explain the design principles of Cloud Computing Architecture (COA). [6]
- b) Draw and explain Cloud Computing Life Cycle. [6]
- c) Explain any four types of threats and attacks on cloud specifying which security goal it affects. [5]

OR

- Q4)** a) Describe the top threats identified by Cloud Security Alliance (CSA). [6]
- b) Enlist the types and explain the functions of firewall. [6]
- c) Elaborate the implementation of CIA security model. [5]

P.T.O.

- Q5)** a) Explain Google App Engine application life cycle. [6]  
b) Explain Amazon compute and storage services of AWS. [6]  
c) Explain the different Cost Models in cloud computing. [6]

OR

- Q6)** a) Enlist the AWS load balancing services. Also Describe Elastic Load Balancer. [6]  
b) Write short on Microsoft Azure. [6]  
c) Explain different services provided by Google Cloud Platform. [6]

- Q7)** a) Describe in brief the following enabling technologies of IoT. [6]  
i) WSN  
ii) Big-Data Analytics  
b) Describe the working of distributed computing and its needs. [6]  
c) Explain the benefits of Online Networking over Traditional Networking. [5]

OR

- Q8)** a) Define IoT and Explain its any two innovative applications. [6]  
b) Differentiate between Distributed Computing and Cloud Computing. [6]  
c) Explain the need for Professional Networking and its benefits. [5]

