[6004]-549

B.E. (E & TC)

CLOUD COMPUTING

(2019 Pattern) (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 side indicate full marks.*
4) *Assume suitable data if necessary.*

Q1) a) Draw and explain architecture of virtualization technique. **[6]**

b) Explain in brief virtual clusters and resource management **[6]**

c) Write short notes on: **[6]**

     i) CPU virtualization.

     ii) Memory virtualization.

OR

Q2) a) Describe the concept of network virtualization with the help of suitable diagram. **[6]**

b) Draw and explain any two types of hardware virtualization. **[6]**

c) Differentiate between cloud computing and virtualization. **[6]**

Q3) a) Draw and explain the cloud CIA security model. **[6]**

b) Describe the types of firewall and its benefits. **[6]**

c) Explain the various security issues for cloud service providers. **[5]**

OR

Q4) a) Explain cloud computing security architecture with neat diagram. **[6]**

b) Draw and explain fundamental components of SOA and enlists it's characteristics. **[6]**

c) Discuss Host Security and Data Security in detail. **[5]**

P.T.O.

Q5) a) Explain the microsoft Azure cloud services. **[6]**

b) Explain Google App Engine application life cycle. **[6]**

c) Explain the cost models in cloud computing. **[6]**

OR

Q6) a) Enlist types of cloud platforms and describe any two. **[6]**

b) Define Amazon EBS snapshot. Write the steps create EBS snapshot.**[6]**

c) Explain the features of Google App Engine. **[6]**

Q7) a) Describe any three enabling technologies for loT. **[6]**

b) Differentiate between distributed computing and cloud computing. **[6]**

c) Write short note on Online social and Professional Networking. **[5]**

OR

Q8) a) Explain any three innovative applications of loT. **[6]**

b) Enlist and explain types of Distributed Systems. **[6]**

c) Discuss the advantages and disadvantages of distributed systems. **[5]**

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