PA-1454

[5926]-70

T.E. (Computer Engineering)
CLOUD COMPUTING
(2019 Pattern) (Semester - II) (Elective-II) (310254C)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) *Solve 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 indicate full marks.*
4) *Assume suitable data, if necessary*

Q1) a) Describe CPU, Network and Storage Virtualization? **[9]**

     b) Draw and Explain the Virtualization Architecture in detail? **[8]**

OR

Q2) a) Define Virtualization? Explain defferent types of Virtualizations? **[9]**

     b) Differentiate between Virtualization in Grid and Virtualization in Cloud **[8]**

Q3) a) What are the components of Microsoft Azure? Explain briefly? **[9]**

     b) How cloud computing can be used for business and consumer applications like ERP or CRM? **[8]**

OR

Q4) a) Describe the Amazon Database Services? **[8]**

     b) Explain Google Cloud Applications in detail? **[9]**

Q5) a) What are the security issues of cloud computing identified by cloud security alliance (CSA)? Explain any three in detail? **[9]**

     b) How Trusted Cloud Computing can be used to manage the risk and security in a cloud? **[9]**

OR

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Q6) a) Explain the six step risk management processes? **[9]**

b) Describe how to perform Secure Cloud Software Testing? **[9]**

Q7) a) What do you mean by IoT Cloud?And how IoT cloud can be used in home automation? **[9]**

b) Explain architecture and working of Kubernetes. **[9]**

OR

Q8) a) What are the future trends in cloud computing? Explain in brief? **[9]**

b) Differentiate between Distributed Cloud Computing Vs Edge Computing?**[9]**

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