PC1731

[6353]-48

T.E (Computer Engg./Artificial Intelligence and Data Science Engg.)
CLOUD COMPUTING
(2019 Pattern) (Semester - II) (Elective-II) (310254(C))

Time : 2½ Hours] *[Max. Marks : 70*
Instructions to the candidates:
1) *Attempt Q1 or Q2, Q3 or Q4, Q5 or Q6 and Q7 or Q8.*
2) *Neat diagrams must be drawn whenever necessary.*
3) *Figures to the right indicates full marks.*
4) *Assume suitable data, if necessary.*

Q1) a) Define Virtualization? Describe different types of Virtualizations? **[9]**

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

OR

Q2) a) Describe CPU, Network and Storage Virtualization? **[9]**

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

Q3) a) Describe the Amazon Database Services? **[9]**

b) Explain Google Cloud Application in detail? **[8]**

OR

Q4) a) Identify the different components of Microsoft Azure? explain Briefly?**[8]**

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

Q6) a) Describe 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? How IoT cloud can be used in home automation? **[9]**

b) Draw & Explain architecture of Kubernetes. **[9]**

<p align="center">OR</p>

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

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

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