

SPPU-TE-COMP-CONTENT – KSKA Git

Total No. of Questions : 8]

SEAT No. :

PC1731

[Total No. of Pages : 2

[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]

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- 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]

OR

- Q8)** a) Identify the future trends in cloud computing? Explain in brief? [9]
b) Differentiate between Distributed Cloud Computing Vs Edge Computing? [9]

