

SPPU-TE-COMP-CONTENT – KSKA Git

Total No. of Questions : 8]

SEAT No. :

PA-1454

[Total No. of Pages : 2

[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 different 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]

