

Total No. of Questions : 8]

SEAT No. :

PD4620

[Total No. of Pages : 2

[6404]-126

B.E. (E& TC)

CLOUD COMPUTING

(2019 Pattern) (Semester-VII) (404183)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6 and Q.7 or Q.8.
- 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) Explain full virtualization and para virtualization. [6]
b) Define virtualization? Explain the five stage virtualization process. [6]
c) Define Server virtualization and discuss its benefits and limitations. [6]

OR

- Q2)** a) Explain Hardware and Software virtualization with suitable diagram. [6]
b) Describe Hypervisors in detail. [6]
c) Explain resource partitioning and service partitioning. [6]

- Q3)** a) Explain cloud computing lifecycle management? [6]
b) Enlist the advantages and disadvantages of SOA. [6]
c) Write short note on: [5]
i) Data Security
ii) Host Security

OR

- Q4)** a) Draw & explain Cloud Architecture. State its importance. [6]
b) Describe the Security issues in Cloud service providers. [6]
c) Explain in detail design principles of COA. [5]

P.T.O.

- Q5)** a) Enlist the various advantages & disadvantages of Google App Engine. [6]
b) Draw and explain the architecture of Amazon Web Services. [6]
c) Explain the types of cloud platforms. [6]
i) Hadoop
ii) GAE

OR

- Q6)** a) Explain the Windows Azure Platform with Cost Model. [6]
b) Describe the application services of App Engine. [6]
c) Explain the steps for configuring a server for EC2. [6]

- Q7)** a) Write Short note on: [6]
i) RFID Tags
ii) Significance of GPS in IOT
b) Explain the following applications: [6]
i) Smart Traffic Management systems
ii) Smart Agriculture Systems
c) Define Distributed computing. Elaborate advantages of Distributed Computing. [5]

OR

- Q8)** a) Compare Cloud Computing and Distributed Computing. [6]
b) Describe any three IOT enabling Technologies. [6]
c) Enlist the benefits of Online Networking over Traditional Networking? [5]

