

Total No. of Questions : 8]

SEAT No. :

P-494

[Total No. of Pages : 2

[6003]-715

T.E. (Information Technology)

CLOUD COMPUTING

(2019 Pattern) (Semester - II) (314454C) (Elective - II)

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, Q.7 or Q.8 .
- 2) Neat diagram must be drawn wherever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) a) What are the common standards supported by open cloud Consortium. [8]

b) Explain the significance of Azure SQL. [6]

c) Difference between on demand instances and spot instance in Amazon cloud. [4]

OR

Q2) a) Explain the architecture of Google App Engine with neat diagram. [8]

b) Describe various standards for Messaging over cloud platform. [6]

c) Explain the significance of Open Cloud Test-bed. [4]

Q3) a) Describe google file system architecture with neat diagram. [8]

b) Explain the features and advantages of Dynamo DB. Explain how it is different than RDBMS. [9]

OR

Q4) a) Describe Hadoop Distributed File System with neat diagram. [8]

b) What are different types of disasters and how the disaster recovery is done on cloud platform. [9]

P.T.O.

- Q5)** a) Explain the architecture of Internet of Things? List down the enabling technologies used in IoT. [9]  
b) Explain important features of ZigBee Technology. [9]

OR

- Q6)** a) Explain any one innovative Applications of the Internet of Things. [9]  
b) Draw an architecture of RFID along with an application. [9]

- Q7)** a) Enlist an important features of Cloud TV. Describe the use of cloud-based smart fabrics and paints. [9]  
b) Draw an architecture of Mobile Cloud Computing and explain in details. [8]

OR

- Q8)** a) Explain the Docker architecture with neat diagram. [9]  
b) Write short note on : [8]  
i) Energy Aware Cloud Computing  
ii) Jungle Computing

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