P-494

[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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