**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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