SEAT No. :

[Total No. of Pages : 2

[6403]-132

T.E. (Information Technology Engineering)
CLOUD COMPUTING
(2019 Pattern) (Semester - VI) (Elective- II) (314454C)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates :

1) *Answers: Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, 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) Draw and explain architecture of Google AppEngine. **[6]**

    b) Differentiate between Azure SQL and SQL Database. **[6]**

    c) What is AWS compute service? Elaborate on each category of compute services. **[6]**

OR

Q2) a) Explain features of Azure SQL database. **[6]**

    b) Write short note on: **[6]**

       i) Ajax
       ii) JSON

    c) Explain application life cycle of Google AppEngine. **[6]**

Q3) a) Draw & explain General Architecture of Google File System (DFS)? **[6]**

    b) Discuss the terms: BigTable, HBase and Dynamo Cloud data stores in cloud computing? **[6]**

    c) What are the General Security Advantages of Cloud-Based Solutions?**[5]**

OR

P.T.O.

Q4) a) Draw & explain General Architecture Hadoop Distributed File System (HDFS)? **[6]**

b) Differentiate between BigTable and HBase of cloud computing. **[6]**

c) What is meant by Disaster Recovery? Discuss Threats in Disaster Recovery? **[5]**

Q5) a) Explain cloudlet. Differentiate between cloud & cloudlet. **[6]**

b) Write a short note on RFID **[6]**

c) Write a short note on ZigBee Technology. **[6]**

OR

Q6) a) Explain in detail the Cyber-Physical System. **[6]**

b) Explain Benefits & Graph Properties of Social Network. **[6]**

c) Explain Social Networking site Facebook. **[6]**

Q7) a) Draw the Docker architecture and explain the components. **[6]**

b) Discus in brief: Comet Cloud? **[6]**

c) What's the difference between cloudlets and clouds? **[5]**

OR

Q8) a) Draw the kubernetes architecture and explain the components. **[6]**

b) Differentiate between multimedia Vs Mobile Cloud? **[6]**

c) Write a different application of fabric and paints? **[5]**

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[6403]-132 2