[6262]-134

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 diagrams must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Assume suitable data if necessary.*

Q1) a) Write a short note on **[6]**
   i) Amazon Elastic Block Store (EBS)
   ii) Amazon ElasticCache
 b) Explain the Programming environment of Google App Engine. **[6]**
 c) Write short note on following standards of application developer. **[6]**
   i) LAMP
   ii) LAPP

OR

Q2) a) Explain Windows Azure Platform Architecture with the help of a neat diagram. **[6]**
 b) Write short note on **[6]**
   i) Amazon CloudFront
   ii) Amazon S3
 c) Explain following Amazon Database Service **[6]**
   i) Amazon Relational Database Service (RDS)
   ii) Dynamo DB

Q3) a) List and explain the security issues in cloud. **[6]**
 b) Draw & explain General Architecture Hadoop Distributed File System (HDFS). **[6]**
 c) What is mean by Disaster Recovery? Discuss Threats in Disaster Recovery. **[5]**

OR

P.T.O.

Q4) a) Write a short note on **[6]**

      i)   How to Approach Business Continuity

      ii)   Architect for Failure

  b) Draw & explain General Architecture Hadoop Distributed File System (HDFS). **[6]**

  c) What is fault tolerance. Explain characteristics of fault tolerance. **[5]**

Q5) a) Explain Social Networking site Facebook. **[6]**

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

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

OR

Q6) 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]**

Q7) a) Write a short note on Location Aware Application. **[6]**

  b) Explain architecture of mobile cloud computing with diagram. **[6]**

  c) Explain following Concept with diagram: Automatic cloud engine. **[5]**

OR

Q8) a) Draw and Explain multimedia cloud. **[6]**

  b) Explain key issues related to energy efficiency in cloud computing. **[6]**

  c) Explain the Concept of jungle Computing with a diagram. **[5]**

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