

Total No. of Questions : 8]

SEAT No. :

PD-4334

[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)** Discuss 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]

