

Total No. of Questions : 8]

SEAT No. :

P830

[5870] - 1153

[Total No. of Pages : 2

**T. E. (Information Technology)
CLOUD COMPUTING**

(Elective-II) (2019 Pattern) (Semester-II) (314454 C)

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 side indicate full marks.
- 4) Assume the suitable data, if necessary.

Q1) a) Write short note on following standards of application developer [6]

- i) LAMP
- ii) LAPP

- b) Explain steps to launch an EC2 instance in AWS. [6]
- c) Define Atom and RSS and differentiate between Atom and RSS. [6]

OR

Q2) a) Explain SAML and OAuth as standards for Security. [6]

- b) Define Bucket in Amazon S3 and differentiate between DynamoDB and Amazon S3. [6]
- c) Write short note on Windows Azure Platform architecture. [6]

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

- b) Discuss the terms: Big Table, HBase and Dynamo cloud data stores in cloud computing. [6]
- c) Discuss the terms Business Continuity and Disaster Recovery in cloud Computing? [5]

OR

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

- b) Differentiate between Big Table and HBase of cloud computing. [6]
- c) What are the General Security Advantages of Cloud-Based Solutions? [5]

P.T.O.

- Q5)** a) Explain Cloud Mashups for Agility & Scalability in detail. [6]
b) Explain Data-Intensive Scalable Computing. Differentiate between Conventional Supercomputer and Data Intensive Scalable Computing. [6]
c) Write a short note on Wireless Sensor Networks (WSN). [6]

OR

- Q6)** a) Explain Social Networking site Twitter. [6]
b) Explain the different Technologies to build IOT infrastructure. [6]
c) Explain the Applications of the Internet of Things. [6]
i) Inventory Management
ii) Route Generation & Scheduling

- 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]

