

Total No. of Questions : 8]

SEAT No. :

PC-1813

[Total No. of Pages : 2

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

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) What is the purpose of the Open Cloud Consortium? What are the common standards supported by open cloud Consortium? [10]
b) What is the use of Windows Azure? Explain main elements of Windows Azure? [8]

OR

- Q2)** a) Explain the architecture of Google App Engine with neat diagram. [10]
b) How are Spot Instance, On-demand Instance, and Reserved Instance different from one another? [8]

- Q3)** a) What are the three important components of HDFS? Enlist the difference between GFS and HDFS. [9]
b) Explain the basic components DynamoDB? Explain the advantages of DynamoDB [9]

OR

P.T.O.

Q4) a) Describe Google file system with neat diagram. [9]

b) Explain various Cloud Computing Security Controls with an example? [9]

Q5) a) What are different enabling technologies used in IoT. Explain any one application of Internet of things? [9]

b) What is ZigBee Technology. Explain different layers of the ZigBee protocol stack? [8]

OR

Q6) a) Explain applications of the Internet of Things used in Retailing and Supply-Chain Management. [9]

b) Draw an architecture of RFID along with an application. [8]

Q7) a) Describe the use of cloud-based smart fabrics and paints. [9]

b) What are the Benefits of Mobile Cloud Computing. How it is different than cloud computing. [8]

OR

Q8) a) Explain the Docker architecture with neat diagram. [9]

b) Write short note on i) Mobile Cloud ii) Multimedia Cloud [8]

