Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (IT) (E-I 2012 to 2017)   (Sem.–6)
CLOUD COMPUTING
Subject Code : BTCS-912
M.Code : 71179

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. **Answer briefly :**

   a) Difference between elasticity and scalability in cloud computing.

   b) Service-Oriented Architecture (SOA).

   c) Utility Computing.

   d) Public/Private Key concept.

   e) Virtual Machine.

   f) Digital signature.

   g) Secure Sockets Layer (SSL).

   h) Hybrid Cloud

   i) Big Data Cloud

   j) VM Migration

SECTION-B

2.   Define Cloud Computing. What are the Characteristics of cloud computing?

3.   Define and Explain Cloud Computing Reference model with suitable diagram.

4.   Explain the different types of Hardware Virtualization Techniques.

5.   What are the benefits of virtualization using in Cloud Computing?

6.   What are the advantages of "Platform as a Service" (PaaS)? Explain with example.

SECTION-C

7.   Describe the Google AppEngine Architecture and core concepts.

8.   What pros and cons of Public *vs.* Hybrid cloud?

9.   What different techniques are used for data encryption in Cloud Computing?

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.