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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(IT) (E-I 2011 Onwards) (Sem.-6)

CLOUD COMPUTING

Subject Code : BTCS-912

Paper ID : [A2359]

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**Q1) Answer briefly :**

- a) BIG Data.
- b) What is Cloud?
- c) Define Data Corruption.
- d) What is API?
- e) Difference between Security and Risk.
- f) What are Digital signatures?
- g) Define SSL.
- h) Explain the term Hijacking.
- i) What do we mean by Encryption?
- j) List Differences between Grid and Cloud.

SECTION-B

- Q2) Define cloud computing deployment scenario in public clouds, hybrid clouds and virtual private clouds.
- Q3) List down the relative differences between symmetric key encryption and asymmetric key encryption in detail.
- Q4) Explain the principle behind cloud security with respect to the cloud security reference model.
- Q5) What is virtualization? Explain its characteristics and benefits in cloud computing.
- Q6) Explain briefly the concept of cloud computing with respect to its various workload patterns used in IT industry.

SECTION-C

- Q7) Give detailed overview of cloud service delivery with respect to its service model architecture used in IaaS and PaaS.
- Q8) Write short-note on :
- a) Public clouds.
 - b) Virtual private clouds.
- Q9) a) How can encryption be defined as best tool for providing security? Explain.
- b) List down various security breaches encountered in cloud computing.