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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) Write briefly:

- a) Define Cloud Computing with example.
- b) What is the working principle of Cloud Computing?
- c) Define Big Data.
- d) What is Virtualization?
- e) How does Multitenancy allows sharing of resources and costs across a large pool of users?
- f) Give four examples of SaaS.
- g) What is Hybrid Cloud?
- h) What is Encryption?
- i) Define the key role of SSL.
- j) Define Azure AppFabric.

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SECTION-B

- Q2) Explain five different characteristics of a Cloud.
- Q3) Draw and Explain the Cloud Architecture.
- Q4) What is Hypervisor? Explain its different types.
- Q5) Differentiate between Symmetric and Asymmetric encryption techniques.
- Q6) Explain and draw common Cloud management Platform Reference Architecture.

SECTION-C

- Q7) What are different Cloud Service Delivery Models with examples? Explain their architecture.
- Q8) a) List various Cloud Deployment Models. Compare them.
 - b) What are the selection criteria for Cloud Deployment?
- Q9) a) Explain Security in Cloud Computing Environment.
 - b) How can you reduce Cloud Security breaches?

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