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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (Computer Science & Engg.)(Sem.-6)

CLOUD COMPUTING

Subject Code : BTCS612-18

M.Code : 79254

Date of Examination : 14-12-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS 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) List down the five essential characteristics of cloud computing.
- b) What is the vision of Cloud Computing?
- c) List down the two categories of tools used to manage cloud.
- d) Discuss the High Availability and Data Recovery feature of VIMs briefly.
- e) Discuss the Elasticity feature of cloud briefly.
- f) How integration is done in SaaS?
- g) What is community cloud?
- h) What is migration in cloud computing?
- i) What is content-centric protection?
- j) What is service hijacking?

SECTION-B

2. List and explain various advantages of Cloud over traditional Distributed system.
3. Discuss Performance Metrics and Scalability Analysis for Virtual Machines.
4. What is a PaaS (Platform-as-a-Service) cloud? Explain with an example.
5. Differentiate between Public cloud and Private cloud.
6. Discuss the types of Cloud Computing Security Controls.

SECTION-C

7. Explain the various challenges in cloud computing.
8. Explain about dynamic deployment of virtual clusters.
9. What do you understand by Hypervisor? Explain its various available types and their working. Also, discuss their advantages and disadvantages.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.