

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (IT) (Sem.-6)
CLOUD COMPUTING

Subject Code : BTIT613/18

M.Code : 79632

Date of Examination : 03-05-2024

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. Write briefly :

- i. Applications of Cloud Computing
- ii. Application of Virtualization
- iii. Grid Computing
- iv. Type 2 Hypervisors
- v. Cloud Service Models
- vi. Horizontal Scalability
- vii. Hybrid Cloud
- viii. Account and service hijacking
- ix. Multitenancy Example
- x. Write about workload in cloud.

SECTION-B

2. Discuss historical developments of cloud computing and its Characteristics.
3. Differentiate between Type 1 and Type 2 hypervisors.
4. Discuss Infrastructure as Service (IaaS) architecture and its applications.
5. **Compare the following :**
 - i. Elasticity and Scalability
 - ii. Application virtualization and Hardware virtualization.
6. Discuss selection criteria for cloud deployment.

SECTION-C

7. What are the different cloud deployment models? Explain.
8. What are the different types of cloud migration strategies? Discuss in details.
9. What are security risks and different methods to reduce cloud security breaches in cloud computing?

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