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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 : BTCS-612-18

M.Code : 79254

Date of Examination : 23-06-2023

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. Write briefly :
 - a) Applications of cloud computing
 - b) VPN
 - c) API
 - d) Community Cloud
 - e) Cloud Security Risks
 - f) Load Balancing in Cloud
 - g) Service Level Agreement
 - h) Vendor Lock-In
 - i) Grid Computing
 - j) Multitenancy.

SECTION-B

2. Write a note on Historical developments and challenges of cloud computing.
3. What do you understand by virtualization in cloud computing? Explain various technologies available under virtualization.
4. How scalability and elasticity is achieved in the cloud? Explain in detail.
5. Explain in detail user account and service hijacking.
6. Discuss and compare AWS, AZURE and Google Cloud services.

SECTION-C

7. An existing Bicycle Manufacturing unit wants to migrate existing stand alone IT Infrastructure to the cloud; explain the steps involved in migrating towards the cloud.
8. An existing IT Company A.Ltd spans multiple states; suggest the Cloud deployment model for A.Ltd. Explain the Pros and Cons of the suggested Deployment Model over other available models.
9. Write note on the issues and measures for improving Cloud security.

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.