

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

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

CLOUD COMPUTING

Subject Code :BTCS-612-18

M.Code :79254

Date of Examination : 10-01-2026

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) Utility Computing
 - b) Virtualization
 - c) Challenges of Cloud Computing.
 - d) Multitenancy
 - e) Scalability
 - f) Importance of Cloud Security.
 - g) Instance
 - h) AWS
 - i) Community cloud
 - j) PaaS

SECTION-B

2. Explain in detail vision of a cloud computing.
3. Define characteristics of virtualization and role of Elasticity.
4. Explain in detail how cloud services are provided?
5. List the merits and de-merits of Public and Private Cloud Models.
6. Write down different measures followed to reduce cloud security breaches.

SECTION-C

7. Explain in detail Migration path followed for cloud.
8. Compare existing Cloud platforms/Web services in terms of security parameters available.
9. Write a note on internal security breaches and service hijacking and their countermeasures.

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.