

MTech Cyber Security - Semester II  
TA I – CTMTCS SII P5 EL6: Cloud Security & Forensics

Date: 02-03-2023

Time: 11.30 to 12.15

Marks: 25

Q1 Answer the following Questions (Any Three)

[18 Marks]

1. As a Cloud computing specialist working for a certain CSP, you have been tasked to convince a start-up Company 'A' to consider cloud computing as their business platform. Cite any Five major points you would present to Company 'A' which you think would move it to consider cloud computing. Since cloud computing systems are internet-based, cite Three Challenges of cloud computing?
2. List out the core Security components of Cloud Environment. Discuss Three possible cloud cyber threats and their prevention techniques.
3. What is Cloud orchestration? Discuss types of cloud based on orchestration.
4. Explain the purpose of a Region, Availability Zone, and edge location. Bring out the differences between following: Amazon S3 and Amazon EBS

Secure  
Security  
Secure

EBS

Q2 Answer the following Questions (Any One)

[7 Marks]

1. Discuss briefly cloud, fog and edge computing. Compare all three-computing based on following parameters:  
1) Latency 2) Scalability 3) Distance 4) Data Analysis  
5) Computing Power 6) Interoperability
2. List out the cloud stakeholders along with their functionalities as per NIST architecture.