Module : 25 Cloud Computing Resource Management And Security

1) 7 Types resource monitoring techniques
● Performance Monitoring
● Log Monitoring
● Application Performance Monitoring (APM)
● Network Monitoring
● Database Monitoring
● Cloud Resource Monitoring
● User and Performance Experience Monitoring (UEM)

2) Tools for Remote Access
● Remote Desktop Protocol (RDP)
● Virtual Network Computing (VNC)
● SSH (Secure Shell)
● TeamViewer
● Chrome Remote Desktop
● Security Measures
● Strong Authentication
● Encryption
● Firewall Configurations
● Regular Updates and Patches
● Role-Based Access Control
● Audit and Monitoring

3) Types of Encryption
- Symmetric Encryption
- Asymmetric Encryption
- Homomorphic Encryption
- Quantum Encryption
- Common Methods
- End-to-End Encryption (E2EE)
- Transport Layer Security (TLS)
- Encryption at Rest

4) Network Security in the Cloud
- Identity and Access Management (IAM)
- Data Encryption
- Zero Trust Security Models
- Continuous Monitoring
- Policy-Based Security
- Compute Security
- Trusted Supply Chain
- Automated Security
- Zero-Trust Architecture
- Storage Security
- Integrity, Confidentiality, and Availability
- Encryption
- Access Control
- Vulnerability Management