

- (viii) Select the option in which of the following is the most widely used technique for abstraction?
- a) Load balancing
b) Load scheduling
c) Load scaling
d) All of these
- (ix) Write the option in which a company needs to provide IT services to a worldwide customer base utilizing a diverse set of devices. Which attribute of cloud computing can help the company deliver such services?
- a) Pervasiveness
b) Flexible pricing
c) Vertical scaling of application servers
d) Horizontal scaling of application servers
- (x) Select from the following option in which of the following is Type 2 VM?
- a) VirtualLogix VLX
b) VMware ESX
c) Xen
d) LynxSecure
- (xi) Select the option in which of the following is also referred to edge computing?
- a) CloudWatch
b) CloudFront
c) CloudSpot
d) CloudWave
- (xii) Choose the option in which applications that work with cloud computing that have low margins and usually low risk are _____
- a) High touch
b) Low touch
c) Moderate touch
d) None of these
- (xiii) Select from the following option, What is the definition of provisioning as an automated process related to cloud computing?
- a) It moves data from one cloud to another
b) It provides server consolidation capability
c) It adds security constraints to a cloud environment
d) It handles computing resource management processes
- (xiv) Select What is a common design element often found in cloud architectures?
- a) Single tiered
b) Terminal emulators
c) Synchronous web services
d) Asynchronous web services
- (xv) Write the option in which a dynamic connection that grows into dynamic networks of networks, is called
- a) Cyber Cycle
b) Internet of Things
c) Cyber-Physical System
d) Multithreading

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Describe briefly about Reservations with VM. Illustrate Amazon elastic Compute Cloud(EC2). (3)
3. Evaluate Data Migration and which type of best practices should be used to protect data during a migration? (3)
4. Write what do you mean by VM migration ? Explain (3)
5. What is virtual desktop infrastructure? Explain (3)
6. Show the design of amazon VPC. (3)

OR

Express the role of security groups and NACL in amazon VPC. (3)

Group-C

(Long Answer Type Questions)

5 x 8=40

7. Enumerate the functions of VPN. (5)
8. Explain the CIA model of cloud security. (5)
9. State what do you mean by role-based access control ? (5)
10. How authentication is different from authorization in a cloud computing environment ? (5)
11. Classify the functionalities of Amazon S3 (5)
12. Devise the different levels of infrastructure security. (5)
13. Access DoS attack in cloud computing ? (5)

OR

Assess the role of Hypervisor in cloud computing and their types. (5)
14. Express the challenges of SaaS Paradigm (5)

OR

What roles does trust mechanisms play in a cloud environment ? (5)
