



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B

Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – June 2021 VI Semester

Class : III UG

Major : Computer Applications

Time : 3 Hours

Max. Marks: 100

18BCAC30 Cloud Architecture and Services

Part A

10 x 1 = 10

Choose the Correct Answer

1. What type of computing technology refers to services and applications that typically run on a distributed network through virtualized resources?
a. Distributed Computing
b. Cloud Computing
c. Soft Computing
d. Parallel Computing
CO1 K1
2. Which one of the following options can be considered as the Cloud?
a. Hadoop
b. Intranet
c. Web Applications
d All the Above
CO1 K2
3. Creating more logical IT resources, within one physical system is called
a. Load Balancing
b. Hypervisor
c. Virtualization
d. Cloud
CO2 K1
4. Which is not a benefit of virtualization?
a. Flexible and efficient allocation of resources
b. Lowers the cost of IT infrastructure
c. Remote access and rapid scalability
d. Run on single operating system
CO2 K2
5. What is the example of Front End?
a. Amazon Web Service
b Google Compute Engine
c. Cisco Metapod
d Web Browser
CO3 K1
6. How many types of services Cloud computing offers?
a. 2
b. 3
c 4
d. 5
CO3 K2
7. Which of the following model allows vendor to provide security as part of the Service Level Agreement ?
a. Saas
b. Paas
c. Iaas
d. None of the above
CO4 K3
8. Infrastructure as a service (IaaS) provides a type of isolated environment to each customer individually by using
a. Renting
b. Virtual Machine Sprawl
c. Security Vulnerabilities
d Hypervisor
CO4 K4
9. Amazon Web Services falls into which of the following cloud-computing category?
a. Saas
b. Iaas
c. Paas
d. Backend as Service
CO5 K2
10. Storage classes available with Amazon s3 are
a. Amazon S3 standard
b. Amazon S3 standard-infrequent Access
c. Amazon Glacier
d. All of the above
CO5 K4

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. Explore the History of cloud computing. CO1 K1
(or)
- 11.b. Write a brief note on Cloud computing. CO1 K1
- 12.a. What is Virtualization? Describe the characteristics of Virtualized Environment. CO2 K2
(or)
- 12.b. Explain the Pros and Cons of Virtualization. CO2 K2
- 13.a. Discuss "Hardware as a Service". CO3 K1
(or)
- 13.b. Write a note on Architecture of Cloud Reference Model. CO3 K3
- 14.a. Illustrate the Authentication Methods in Cloud Computing. CO4 K2
(or)
- 14.b. Write a note on Data Privacy and Security issues. CO4 K1
- 15.a. How does the Amazon Web Services work? CO5 K1
(or)
- 15.b. Describe in detail about Communication services in Amazon Web Services. CO5 K4

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a. Explain the advantages and limitations of Cloud Computing. CO1 K1
(or)
- 16.b. Elucidate about the Cloud service Providers in India. CO1 K1
- 17.a. Discuss the Taxonomy of Virtualization techniques in detail. CO2 K1
(or)
- 17.b. Explain the relationship between Virtualization and Cloud Computing. CO2 K2
- 18.a. How does "Platform as a service" work? CO3 K3
(or)
- 18.b. Discuss about the different types of Clouds. CO3 K2
- 19.a. Explicate about Data Security and Storage. CO4 K2
(or)
- 19.b. Discuss about Network level Security in Cloud Architecture. CO4 K2
- 20.a. Explain the Google AppEngine in detail. CO5 K4
(or)
- 20.b. Describe the features of Microsoft Azure in detail. CO5 K4
