

28/11/24

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Gambatti

Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – November 2024
V Semester

Class : III UG
Major : Computer Science

Time: 3 Hours
Max. Marks: 100

21BCSC22 Cloud Computing

Course Outcomes:

1. Understand the cloud computing paradigm and its importance.
2. Become familiar with cloud architecture, services and deployment models.
3. Become familiar with service-level agreements and cloud storage.
4. Adequate knowledge of cloud security.
5. Explore some important cloud computing-driven commercial systems.

Part A

10 x 1 = 10

Choose the Correct Answer

1. Which of the following is not a type of cloud server?
a. Public Cloud Servers b. Private Cloud Servers
c. Dedicated Cloud Servers d. Merged Cloud Servers CO1 K1
2. Which of the following is a type of cloud computing service?
a. Service-as-a-Software (SaaS) b. Software-and-a-Server (SaaS)
c. Software-as-a-Service (SaaS) d. Software-as-a-Service (SaaS) CO1 K1
3. Which of the following is the application of cloud computing?
a. Adobe b. Paypal c. Google G Suite d. Dropbox CO2 K1
4. Which enables the migration of the virtual image from one physical machine to another.
a. visualization b. virtualization
c. migration d. virtual transfer CO2 K2
5. Most of the cloud architectures are built on this type of architecture.
a. skeleton b. grid c. linear d. template CO3 K2
6. Which of the following model consists of the service that you can access on a cloud computing platform?
a. Deployment b. Service c. Application d. Security CO3 K1
7. How many phases are there in Cloud Computing Planning?
a. 1 b. 5 c. 3 d. 6 CO4 K2
8. The _____ is Microsoft's cloud-based management service for Windows systems.
a. Intune b. Utunes
c. Outtunes d. Windows Live Hotmail CO4 K2
9. Which of the following is the operational domain of CSA?
a. Scalability b. Portability c. Flexibility d. Virtualization CO5 K1
10. How many security accounts per client is provided by Microsoft?
a. 1 b. 3 c. 5 d. 7 CO5 K2

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

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|---|--------|
| 11.a. Summarize the history of cloud computing. | CO1 K5 |
| (or) | |
| 11.b. List the cloud service providers with example. | CO1 K3 |
| 12.a. Compare the cloud architecture with client server architecture. | CO2 K2 |
| (or) | |
| 12.b. Explain about the service models in cloud computing | CO2 K4 |
| 13.a. Discuss about billing and accounting with example. | CO3 K2 |
| (or) | |
| 13.b. Outline the economics of scaling in cloud computing. | CO3 K4 |
| 14.a. Analyze about the host level security with example. | CO4 K4 |
| (or) | |
| 14.b. Illustrate the data privacy and security issues. | CO4 K4 |
| 15.a. Explain the services of Google App Engine. | CO5 K4 |
| (or) | |
| 15.b. Describe about AWS and its services. | CO5 K2 |

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

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|---|--------|
| 16.a. Distinguish the cluster computing and cloud computing. | CO1 K5 |
| (or) | |
| 16.b. Explain about the grid computing with example. | CO1 K4 |
| 17.a. Demonstrate the cloud architecture. | CO2 K3 |
| (or) | |
| 17.b. Illustrate the various service models with example. | CO2 K2 |
| 18.a. Summarize the service level agreements in cloud computing. | CO3 K5 |
| (or) | |
| 18.b. Outline the scaling hardware in traditional and cloud computing. | CO3 K4 |
| 19.a. Infer the application level security in cloud computing. | CO4 K6 |
| (or) | |
| 19.b. Discuss about the authentication in cloud computing. | CO4 K2 |
| 20.a. Analyze and write about the Microsoft Azure and its applications. | CO5 K4 |
| (or) | |
| 20.b. Explain about Eucalyptus architecture in cloud computing. | CO5 K4 |
