



*K. Sambath*

**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

**Continuous Internal Assessment Test I – February 2026**  
**VI SEMESTER**

**Class : III UG**  
**Major : Computer Science**

**Time: 2 hours**  
**Maximum Marks: 60**

**23BCSDE4 Cloud Computing**

**Course Outcomes:**

1. Analyze the trade-offs between deploying applications in the cloud and over the local infrastructure.
2. Compare the various cloud deployment models and service models.
3. Expertise with the virtualization concepts and its types.
4. Identify security and privacy issues in cloud computing.
5. Outline the issues in cloud computing.

**Part-A**

**6x1=6**

**Choose the correct answer**

1. Which of the following is true about cloud computing? CO1K1  
a. It is platform-dependent b. It makes business applications collaborative  
c. It allows to access the resources as utilities over network d. It offers free services on the Internet.
2. Which feature of cloud computing allows users to release the resources when not needed? CO1K1  
a. Self-service b. Scalability c. Elasticity d. Customization
3. Which of the following is the cloud platform of Amazon? CO1K1  
a. Azure b. AWS c. Cloudera d. VMware
4. Cloud computing architecture is a combination of \_\_\_\_\_? CO2K1  
a. Service-oriented architecture and Grid computing  
b. Utility computing and event-driven architecture  
c. Service-oriented architecture and event-driven architecture  
d. Virtualization and event-driven architecture
5. Choose the correct IaaS provider among the following. CO2K1  
a. EC2 b. Engine Yard c. Heroku d. ADP
6. Which of the following allows sharing of multiple resources in cloud computing? CO3K1  
a. SOA b. Virtualization c. Grid Computing d. Network

**Part-B**

**3x6=18**

**Answer ALL Questions**

**Each answer should not exceed 400 words or two pages**

7. a. Recall the benefits and limitations of cloud computing. CO1K1  
(or)
7. b. Brief on the characteristics and challenges of cloud computing. CO2K2
8. a. Compare client-server architecture and cloud computing architecture. CO2K3  
(or)
8. b. Explain in brief the cloud economics and its benefits. CO2K2
9. a. What is multitenancy in cloud computing? What are the advantages and risks of multitenancy? CO3K2  
(or)
9. b. Write a short note on virtualization management. CO3K2

**Part-C**

**3x12=36**

**Answer ALL questions**

**Each answer should not exceed 800 words or four pages**

10. a. Discuss the evolution of cloud computing and compare it with other computing paradigms. CO1K3  
(or)
10. b. Elucidate a few major cloud service providers and the services they offer. CO1K2
11. a. Explain the NIST cloud computing architecture with a neat schematic diagram. CO1K2  
(or)
11. b. Explain the various cloud deployment models and their characteristics in detail. CO2K2
12. b. Explain in detail the cloud service models and their characteristics. CO2K2  
(or)
12. b. What is virtualization?. Discuss the different types of virtualization in detail. CO3K2

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