



*E. 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 (now MoE)  
Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, category I by UGC  
Coimbatore - 641 043, Tamil Nadu, India.

**Continuous Internal Assessment Test I – AUGUST 2025**  
**V SEMESTER**

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

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

**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**

**6x1=6**

**Choose the correct answer**

1. Which of the following is true about cloud computing? CO4K1
  - a. Cloud computing is platform-dependent
  - b. Cloud computing makes business applications mobile and collaborative
  - c. Cloud computing provides us with means of accessing the resources as utilities over network
  - d. Cloud computing is a technology that offers free services on the Internet.
2. Which among the following is the cloud platform of Amazon? CO4K1
  - a. Azure
  - b. AWS
  - c. Cloudera
  - d. VMware
3. Cloud computing architecture is a combination of? CO3K3
  - 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
4. Choose the correct IaaS provider among the following. CO5K3
  - a. EC2
  - b. Engine Yard
  - c. Heroku
  - d. ADP
5. Which of the following denotes the performance contract negotiated between you and a service provider? CO4K1
  - a. Cloud IAM
  - b. SLA
  - c. OLA
  - d. GCE
6. Which feature of cloud computing allows users to release the resources as soon as they are not needed? CO4K1
  - a. Self-service
  - b. Per-usage metering and billing
  - c. Elasticity
  - d. Customization

**Part- B**

**3x6=18**

**Each answer should not exceed 400 words or two pages**  
**Answer ALL Questions**

7. a. Recall the benefits and limitations of cloud computing. CO1K2  
(or)
7. b. Elucidate a few major cloud service providers and their cloud products. CO2K3
8. a. Compare client-server architecture and cloud computing architecture. CO2K3  
(or)
8. b. Describe the concept of virtualization. CO2K2
9. a. What is the need for a Service Level Agreement? What are the types of SLA? CO3K2  
(or)
9. b. Discuss about resource provisioning and its types. CO3K2

**Part-C**

**3x12=36**

**Each answer should not exceed 800 words or four pages**  
**Answer ALL questions**

10. a. Describe the evolution of computing technologies that led to the development of cloud computing. Bring out the comparisons between them. CO1K3  
(or)
10. b. Describe the NIST cloud computing architecture with a neat schematic diagram. CO1K3

11. a. Discuss the characteristics, pros and cons of IaaS models. CO2K2  
(or)
11. b. Discuss the characteristics, pros and cons of PaaS models. CO2K2
12. a. Describe in detail public and private cloud deployment models focusing on characteristics, suitability, pros and cons. CO2K2  
(or)
12. b. Describe in detail hybrid and community cloud deployment models focusing on characteristics, suitability, pros and cons. CO2K2

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