

(FOR THE CANDIDATES ADMITTED  
DURING THE ACADEMIC YEAR 2022 ONLY)

22UBC6E8

REG.NO. :

**B.C.A  
SEMESTER VI**

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI  
END-OF-SEMESTER EXAMINATIONS : MAY-2025**

**MAXIMUM MARKS: 50  
TIME : 3 HOURS**

**PART - III  
CLOUD COMPUTING**

**SECTION - A**

**(10 X 1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**MULTIPLE CHOICE QUESTIONS.**

**(K1)**

1. What is the primary advantage of using cloud storage?
  - a) Increased hardware cost
  - b) Limited accessibility
  - c) Scalability and remote access
  - d) Fixed storage capacity
2. Which of these is a security benefit of cloud computing?
  - a) Lack of encryption support
  - b) Advanced threat detection and monitoring tools
  - c) Vendor lock-in issues
  - d) Unmanaged access controls
3. What role do clients play in cloud computing?
  - a) Providing infrastructure for cloud providers
  - b) Accessing cloud services via devices like computers, tablets, or smart phones
  - c) Hosting servers for cloud applications
  - d) Ensuring data backup in cloud data centers
4. What is the main feature of Google App Engine?
  - a) Storage solution
  - b) Virtual machine hosting
  - c) Platform as a Service for building applications
  - d) Network security service
5. Which of the following is a key concern related to cloud computing security?
  - a) Cost efficiency
  - b) Data privacy and confidentiality
  - c) Speed of deployment
  - d) Server hardware selection

**ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.**

**(K2)**

6. What is cloud computing?
7. Give one Limitation of cloud computing.
8. Define Data Leakage.
9. Outline one service of Salesforce.com.
10. List one Key Areas of Cloud Security.

**SECTION – B**

**(5 X 3 = 15 MARKS)**

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. K3**

11. a) Analyze Hypervisor Applications with the Cloud

**(OR)**

- b) Compare the cloud offerings of Amazon and Microsoft.

**(CONTD.....2)**

12. a) Justify when you can use Cloud Computing .  
(OR)  
b) Identify the benefits of cloud computing for organizations.
13. a) Inspect Key Features of Web Application frame work in cloud computing.  
(OR)  
b) Illustrate the standard protocol used to connect between the client and the cloud
14. a) Explain the role of Google Web Toolkit (GWT) in web development..  
(OR)  
b) Examine the function of Amazon Elastic Compute Cloud (EC2).
15. a) Recall the common threats to cloud security.  
(OR)  
b) Explain the importance of data encryption in ensuring cloud security.

**SECTION - C****(5X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.(K4&K5)**

- 16.a) Evaluate the limitations of cloud computing  
(OR)  
b) Explain the three main cloud service models: IaaS, PaaS, and SaaS.
- 17.a) Compare the benefits of cloud computing with its limitations in the context of privacy.  
(OR)  
b) Explain the security benefits of using cloud computing
18. a) Discuss the hardware and infrastructure requirements for cloud computing.  
(OR)  
b) Justify the key feature Design requirement of Amazon Simple Storage Service (S3)
19. a) Recall the main features of Azure Services Platform.  
(OR)  
b) Demonstrate IBM cloud computing services?
20. a) Estimate steps can organizations take to overcome Cloud Security Vulnerabilities.  
(OR)  
b) Describe the concept of a Denial of Service (DoS) attack in the context of cloud security.

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**ETHICAL PAPER**