N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS: MAY-2024

COURSE NAME: B.C.A.   **MAXIMUM MARKS: 70**

SEMESTER: VI   **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 cloud computing?
   a) Physical computing resources   b) Computing resources accessed over the internet
   c) Offline software applications   d) Local area network (LAN)

2. What is key benefit of cloud computing for organizations?
   a) Increased upfront costs   b) Limited scalability
   c) Dependency on local infrastructure   d) Cost efficiency and scalability

3. _____type of cloud storage is designed for storing and retrieving data through a web interface.
   a) Object Storage   b) File Storage   c) Block Storage   f) Disk Storage

4. Salesforce.com is known for _____.
   a) Virtualization solutions   b) Cloud-based email services
   c) Customer Relationship Management platform   d) Object storage

5. What is common security concern related to data in cloud computing?
   a) Software bugs   b) Data breaches   c) Network latency   d) User authentication

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES   **(K2)**

6. Write three major players or "First Movers" in the cloud computing industry.

7. Name any two limitations associated with cloud computing.

8. Why is data encryption important in cloud computing?

9. What is the purpose of Amazon Elastic Compute Cloud (EC2) in the AWS ecosystem?

10. Define the term IAM.

SECTION – B (5 X 4 = 20 MARKS)
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) List the key advantages of cloud computing.
 (OR)
 b) Illustrate the concept of cloud storage and its benefits.

12. a) Mention the benefits of cloud computing.
 (OR)
 b) Explain the role of compliance and legal issues in cloud computing security.

13. a) Discuss the importance of server hardware in the performance of cloud services.
 (OR)
 b) List the advantages and challenges of using micro services in the cloud.

14. a) Elaborate the purpose and use cases of Google Web Toolkit (GWT) in web development.
 (OR)
 b) Explain the significance of VMware technologies in building a flexible and scalable infrastructure.

15. a) Identify the methods for overcome Cloud Security Challenges and Propose solutions?
 (OR)
 b) Discuss the role of firewalls and IDS in enhancing the security of a cloud-based network.

SECTION - C (4X10= 40 MARKS)
ANSWER ANY FOUR OUT OF SIX QUESTIONS
(16thQUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS
(FROM Qn. No: 17 to 21) (K4 (Or) K5)

16. How does Microsoft Dynamics CRM contribute to customer relationship management in a Cloud-based environment? Discuss
.
17. Compare and contrast IaaS, PaaS, and SaaS and provide use cases for each service model.

18. Examine the importance of security benefits in cloud computing.

19. Categorize the types of Cloud Storage.

20. Differentiate between Windows Live and Azure Services Platform

21. Discuss the role of AI and Machine Learning in threat detection for cloud security.

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