

(FOR THE CANDIDATES ADMITTED

22UDA4A1

DURING THE ACADEMIC YEAR 2023-2024 ONLY)

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS: MAY 2024

BSc CS WITH DA(SF)

MAXIMUM MARKS: 50

SEMESTER: IV

TIME : 3 HOURS

PART-III

22UDA4A1– FUNDAMENTALS OF CLOUD COMPUTING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

1. Which public cloud provider is known for its global reach and high availability?
 - a) Amazon Web Services
 - b) Microsoft Azure
 - c) Google Cloud Platform
 - d) All of the above
2. What is the term used for moving existing applications and data to a public cloud?
 - a) Cloud migration
 - b) Cloud adoption
 - c) Cloud deployment
 - d) Cloud transformation
3. Which type of cloud service is most commonly used for cloud analytics?
 - a) Infrastructure as a Service (IaaS)
 - b) Platform as a Service (PaaS)
 - c) Software as a Service (SaaS)
 - d) Function as a Service (FaaS)
4. Which of the following is NOT a type of storage virtualization technology?
 - a) Network Attached Storage (NAS)
 - b) Storage Area Network (SAN)
 - c) Fibre Channel
 - d) Hypervisor-based storage
5. What is the benefit of automating governance tasks in the cloud?
 - a) Increased manual effort and human oversight
 - b) Reduced risk of human error and improved efficiency
 - c) Slower decision-making and response times
 - d) Higher operational costs

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

6. Define cloud adoption.
7. Explain cloud design in cloud computing.
8. What is asset management?

(CONT....2)

- 9. Define SOA.
- 10. Explain information management.

SECTION – B

(5 X 3 = 15 MARKS)

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

- 11. a) List three key benefits that cloud computing offers to businesses.
(OR)
- b) Briefly explain the steps involved in adopting cloud computing for a small business
- 12. a) What are the principal technologies involved in the cloud?
(OR)
- 13. b) What is the main benefit of "computing on demand" in the context of cloud services? 13.
- a) Write a brief note on cloud analytics.
(OR)
- b) How can a system handle high availability and disaster recovery?
- 14. a) Briefly explain the storage area networks.
(OR)
- b) Describe the benefits of using SOA principles in a cloud environment.
- 15. a) Briefly describe one business problem arising from the current mobile landscape
(OR)
- b) Compare and contrast risk management and third party management.

SECTION – C

(5 X 5 = 25 MARKS)

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

- 16. a) Elucidate the characteristics of cloud computing with examples.
(OR)
- b) Compare and Contrast the Public vs. Private Cloud
- 17. a) Briefly explain the concept of a "conceptual cloud model" and its importance in cloud service design.
(OR)
- b) Write a brief note on Cloud Ecosystem with examples.
- 18. a) Discuss the concept of cloud governance and its main objectives. Explain how cloud governance can help organizations address challenges related to cost control and security compliance.
(OR)
- b) Briefly explain the Server Virtualization in detail.
- 19. a) List the features of networking essentials to the cloud.
(OR)
- b) Briefly explain the concept of SOA-based cloud infrastructure.
- 20. a) Explain the importance of cloud adoption.
(OR)
- b) Elucidate the data privacy and protection risk in cloud governance.
