

Reg. No

Name

24U448

B C A DEGREE END SEMESTER EXAMINATION - MARCH 2024
SEMESTER 4 - MOBILE APPLICATIONS AND CLOUD TECHNOLOGY
COURSE : 19U4VCBCA1- INTRODUCTION TO CLOUD TECHNOLOGY

(For Regular - 2022 Admission and Improvement / Supplementary - 2021/2020/2019 Admissions)

Time : Three Hours

Max. Marks: 75

PART A

Answer All (1 mark each)

1. What are the common examples of resource pools?
2. What are the advantages of block-based cloud storage level?
3. What do you mean by security controls?
4. What is the significance of Live migration feature?
5. What is Windows Azure?
6. List any two services of Microsoft Azure?
7. What are the different types of cloud according to NIST?
8. What is the significance of monitoring agent?
9. List any two AWS services for business purposes?
10. Define security policy?

(1 x 10 = 10)

PART B

Answer any 8 (2 marks each)

11. How does cloud computing different from internet?
12. Distinguish between Asymmetric distribution and content-aware distribution?
13. What are the common ways of launching DoS attack?
14. What do you mean by Service value net?
15. List some of the mechanisms that can be part of workload distribution architecture?
16. What do you mean by service arbitrage?
17. What are the advantages of object storage?
18. How are IT resources distributed in a workload distribution architecture?
19. Compare insufficient authorization and weak authentication?
20. Write short note on Apache cloudstack?

(2 x 8 = 16)

PART C

Answer any 5 (5 marks each)

21. Write short note on private and public cloud?
22. Distinguish between monitoring agent and resource agent with appropriate diagrams?
23. Discuss various cloud management softwares?
24. Discuss the role of cloud contract in cloud environment?
25. Describe briefly with a diagram, workload distribution arhitecture?
26. List the major challenges of cloud computing?
27. Differentiate between cloud storage device mechanisms?

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Elaborate on Risk Management process in cloud computing?
29. Illustrate Failover mechanism of cloud infrastructure?
30. Discuss on Service Load Balancing architecture with a neat diagram?
31. Elaborate on the challenges and vulnerabilities that hinder the adoption of cloud technology?

(12 x 2 = 24)