

Reg. No

Name

23U448

B C A DEGREE END SEMESTER EXAMINATION : MARCH 2023
SEMESTER 4 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY
COURSE : 19U4VCBCA1: INTRODUCTION TO CLOUD TECHNOLOGY

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

Time : Three Hours

Max. Marks: 75

PART A

Answer All (1 mark each)

1. What is zero downtime?
2. What is a threat agent?
3. What is the significance of 'virtualization' in cloud computing?
4. Define cloud service outage?
5. List the two basic configurations of Failover system?
6. What are the two types of resource clusters?
7. What do you mean by Threat?
8. Service load balancing architecture is considered a Specialized variation of workload distribution architecture. Why?
9. Name any two Amazon Storage Services?
10. What is Openstack?

(1 x 10 = 10)

PART B

Answer any 8 (2 marks each)

11. List the five essential characteristics of cloud computing?
12. Outline the scenario when audit monitor is implemented as monitoring agent?
13. What is the significance of the watchdog system in load-balanced virtual server instance architecture?
14. Differentiate between hypervisor and virtual servers?
15. Analyze the advantages of automated scaling listener mechanism?
16. Define Virtualization attack?
17. Explain malicious insider threat agent?
18. Write short note on Apache cloudstack?
19. What are the key things to know about Google Cloud Platform?
20. List some driving factor towards cloud?

(2 x 8 = 16)

PART C

Answer any 5 (5 marks each)

21. Explain resource pooling architecture with a neat diagram?
22. Are clouds secured? List and discuss the security and privacy implications of cloud computing?
23. Explain about IBM Cloud, SAP SANA and Oracle Cloud?
24. Summarize the advantages of Salesforce cloud?
25. Outline various cloud storage device mechanisms?

26. Explain the flawed implementations of cloud?
27. Elaborate on the concept of virtual servers?

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. With a neat diagram, explain the structure of three delivery models and different types of cloud?
29. Explain Dynamic scalability architecture with a neat diagram?
30. Explain the following concepts:
 - i) Security policy disparity
 - ii) Risk Management
31. Discuss on Virtual server and Cloud storage devices mechanisms of cloud infrastructure?

(12 x 2 = 24)