Reg. No ....   Name **25U451**

B C A DEGREE END SEMESTER EXAMINATION - MARCH 2025
SEMESTER 4 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY
COURSE : **19U4VCBCA1 - INTRODUCTION TO CLOUD TECHNOLOGY**
(For Regular 2023 Admission and Improvement/Supplementary 2022/2021/2020/2019 Admissions)

Time : Three Hours   Max. Marks: 75

PART A
Answer All (1 mark each)

1.   Define the term "integrity."
2.   "Service load balancing architecture is considered a Specialized variation of workload distribution architecture." Why?
3.   List any two AWS services for business purposes.
4.   List any two mechanisms used in elastic disk provisioning architecture.
5.   Name any two popular cloud services offered by Salesforce.
6.   Define logical network perimeter.
7.   Define cloud service outage.
8.   What do you mean by security controls?
9.   Expand NIST
10. What is the key role of SLA between cloud consumer and provider?

(1 x 10 = 10)

PART B
Answer any 8 (2 marks each)

11. What are the common ways of launching DoS attack?
12. What do you mean by cloud migration?
13. Compare insufficient authorization and weak authentication.
14. Explain Watchdog system and its components.
15. Differentiate between hypervisor and virtual servers.
16. What are the pros and cons in comparison of Public cloud Vs private cloud?
17. Explain the structure of an object of cloud storage level with a diagram.
18. List the applications of AWS services.
19. How can a company benefit from cloud computing?
20. Outline the differences between SLA monitor and Pay-per-use monitor.

(2 x 8 = 16)

PART C
Answer any 5 (5 marks each)

21. Discuss Microsoft Azure and Bizspark.
22. Compose in detail about the aspects of cloud security.
23. Discuss cloud Storage interfaces.
24. Summarise on Elastic resource capacity architecture with a neat diagram.
25. How does cloud management work?
26. Compare file-based and block-based cloud storage level.
27. Write short notes on the following:
     1) Cloud Vulnerability 2) Cloud Challenges.

(5 x 5 = 25)

PART D
Answer any 2 (12 marks each)

28. Elaborate on fundamental security terms relevant to cloud computing.

29. Explain Dynamic scalability architecture with a neat diagram.

30. Elaborate on cloud computing architecture and infrastructure.

31. Elaborate on cloud infrastructure mechanisms.

(12 x 2 = 24)