

TB214700W

Reg. No :

Name :

BCA DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023

(2021 Admissions Regular, 2020 Admissions Supplementary / Improvement, 2019 & 2018 Admissions Supplementary)

SEMESTER IV - CORE COURSE (BCA (CLOUD TECHNOLOGY AND INFORMATION SECURITY MANAGEMENT)

BCA4B13B18 - DATABASE SECURITY FUNDAMENTALS

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. Define foreign key.
2. What do you mean by the term relation in relational database management system?
3. Define entity. Give example.
4. What is the purpose of sql SELECT command?
5. Give syntax and example for defining foreign key.
6. Define Sql Injection.
7. Define OLE.
8. Define Packet Monkeys.
9. Expand DSL and explain briefly.
10. Define the characteristics of Metadata.
11. Explain the types of OLAP Servers.
12. State the functions of Middle tier in data warehousing.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Explain the hierarchical database management system.
14. Discuss benefits of DBMS over file based system.
15. Describe the various SQL server security mechanisms.
16. What are triggers? Explain how they are used in database security.
17. Write the benefits of OLE.
18. Explain the different types of Security Testing.
19. Write the advantages of Database Monitoring.
20. Explain the types of Metadata.
21. Explain the working of Data Warehousing.

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. Explain the three - schema architecture for data base.
23. Explain the various categories of database languages.
24. Write an essay about Remote Access and its types(10). Explain any two protocols used in remote access(5).
25. Explain Data Warehouse and its Characteristics.