

22U225

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Name:

Reg.No:

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U CSC2 C02 - FUNDAMENTALS OF SYSTEM SOFTWARE NETWORKS AND DBMS

(Computer Science - Complementary Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 2

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. What is difference between Application and System Software?
2. What is meant by machine level language? List any two advantages.
3. What is Time Sharing systems?
4. What is OSI model? What are the functions of Presentation layer in OSI model?
5. What is meant by guided media? Give any two examples of the same.
6. What is meant by data integrity?
7. Define Object-oriented model.
8. What is a relation? What is the difference between a tuple and an attribute?
9. What is the purpose of DROP command?
10. What is world wide web?
11. What are the main tags used in the structure of an HTML document?
12. What are the different heading tags in HTML?

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Explain the different functions performed by the operating system.
14. Write a short note on star topology. What are its advantages and disadvantages?
15. Write a short note about the features of LAN, WAN and MAN.
16. Differentiate between logical and physical data independence and explain its importance in a database environment.

17. Describe Database Languages DDL and DML and DCL with example.
18. Explain the aggregate functions in SQL with an example.
19. Explain the colspan attribute of table element in HTML with example.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Explain different language processors.
21. Explain general structure of HTML document and different types of lists in HTML.

(1 × 10 = 10 Marks)
