

21U225

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Name:

Reg.No:

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2022

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U CSC2 C02 - FUNDAMENTALS OF SYSTEM SOFTWARE NETWORKS & 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. Define System Software. Give any two system software.
2. What is high level and low level programming languages?
3. What is meant by compiler?
4. What is the difference between a mesh network and ring network
5. What is meant by TCP/IP model ? List any two protocols used in Network layer
6. Describe the term data model.
7. What is a relation? Describe the characteristics of a relation.
8. How are SQL commands classified?
9. What is the purpose of PRIMARY KEY?
10. List major parts of an HTML document.
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 about the features of LAN, WAN and MAN

15. What are the features of twisted pair as a network transmission medium? What are its advantages and disadvantages?
16. Explain the three schema architecture of a DBMS.
17. Briefly explain ALTER command in SQL with example.
18. Describe SELECT command in SQL. Illustrate with suitable 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. What is an Operating System? Explain any four types of operating systems.
21. Design a webpage for your college. Include minimum two webpages that are linked.

(1 × 10 = 10 Marks)
