

20U222

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Name:

Reg.No:

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2021

(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. Differentiate system software and application software. List any two utility software.
2. What is assembler?
3. What is Real Time operating system?
4. What is the difference between a bus network and ring network?
5. What is TCP/IP model? What are the different layers in TCP/IP model?
6. What is meant by data inconsistency?
7. Define record based model.
8. Define SQL.
9. What is a constraint?
10. What is HTML? What should be the first tag in any 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 Machine level language and Assembly level language with advantages and disadvantages.
14. Write a short note about the features of LAN, WAN and MAN
15. Describe the characteristics and components of the coaxial cable as a network transmission medium
16. Explain object relational model with its advantages and disadvantages.
17. Describe the Candidate Key, Primary Key and super key? How Primary Key is different from foreign key.
18. Describe SELECT command in SQL. Illustrate with suitable example.
19. Describe various table elements used for creating tables in HTML web page with suitable examples.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* questions. Each question carries 10 marks.

20. Explain the functions performed by an operating system.
21. Design a webpage for your college. Include minimum two webpages that are linked.

(1 × 10 = 10 Marks)
