C 22065

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## SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION APRIL 2022

Computer Science

BCS 2C 02-FUNDAMENTALS OF SYSTEM SOFTWARE, NETWORK AND DBMS

(2021 Admissions)

Time : Two Hours

Maximum : 60 Marks

#### Section A (Short Answer Type Questions)

Answer at least **eight** questions. Each question carries 3 marks. All questions can be attended. Overall Ceiling 24.

- 1. What is Compiler?
- 2. Define Software.
- 3. Define Loader.
- 4. Explain about WAN.
- 5. What are the responsibilities of data link layer ?
- 6. What are attributes in DBMS?
- 7. Define the term DML.
- 8. Define Tuple.
- 9. What is Database?
- 10. Write the format of html program.
- 11. How insert an image in html page.
- 12. What is WWW?

 $(8 \times 3 = 24 \text{ marks})$ 

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#### Section B (Short Essay Type Questions)

Answer at least **five** questions. Each question carries 5 marks. All questions can be attended. Overall Ceiling 25.

- 13. What are the characteristics of a computer ?
- 14. Explain multiprogramming and real time operating system.
- 15. Explain the different topologies of the network.
- 16. What is a data model in DBMS ? List the types of data model used.
- 17. What are the advantages of database ?
- 18. Write a note on different types of html elements.
- 19. Write a note on physical style tags in html.

### $(5 \times 5 = 25 \text{ marks})$

#### Section C (Essay Type Questions)

## Answer any **one** question. The question carries 11 marks.

- 20. Write a note on guided and unguided communication media.
- 21. What is SQL ? Explain the following commands with examples :
  - a) Create;
  - b) Insert;
  - $c) \quad Select\,;$
  - d) Update ; and
  - e) Alter.

 $(1 \times 11 = 11 \text{ marks})$ 

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