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Name.....

Reg. No.....

**SECOND SEMESTER B.A./B.Sc. DEGREE EXAMINATION, APRIL 2020**

(CBCSS—UG)

Computer Science

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

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

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

*Answer all questions, each correct answer carries a maximum of 2 marks.  
Ceiling 20 marks.*

1. What do you mean by system software ? Give two examples.
2. What is batch processing ?
3. What is a compiler ?
4. What is a distributed operating system ?
5. What is DROP command ? Give the syntax.
6. What do you mean by database ? List the names of various DBMS models.
7. What is the purpose of the keyword DESC in an SQL statement ?
8. What is the purpose of INSERT statement ? Give an example.
9. What do you mean by binary relationship and total participation ?
10. How will you modify an existing column in a database ?
11. Differentiate machine language and assembly language.
12. Name the 5 layers in the Internet protocol stack.

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

*Answer all questions, each correct answer carries a maximum of 5 marks.  
Ceiling 30 marks.*

13. Explain paragraph tags and its attributes with an example.
14. Explain various heading tags with example.

**Turn over**

15. What is an operating system ? Explain its functions.
16. Write short notes on microwave transmission.
17. Explain MAN with its features.
18. What are the advantages of using DBMS ?
19. Explain hierarchical database model in DBMS.

**Section C (Essay Type Questions)**

*Answer any one question; correct answer carries 10-marks.*

20. Explain the following guided media :
  - a) Twisted pair cable.
  - b) Coaxial cable.
  - c) Optic fiber.
21. Explain unordered lists, ordered lists and definition lists with examples.