

C 62631

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Name.....

Reg. No.....

SECOND SEMESTER (CUCBCSS-UG) DEGREE EXAMINATION, MAY 2019

B.Sc. Computer Science

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

(2017 Admissions)

Time : Three Hours

Maximum : 64 Marks

Part A

*Answer all questions.*

*Each question carries 1 mark.*

1. Which of the following performs modulation and demodulation ?  
(a) Fiber optics. (b) Switch.  
(c) Modem. (d) Modulator.
2. \_\_\_\_\_ translates assembly language into machine language.
3. MAN stands for \_\_\_\_\_
4. \_\_\_\_\_ translates high level program one statement at a time into a machine code which is understandable by computer.
5. In \_\_\_\_\_ topology if the computer cable is broken, the network gets down.
6. \_\_\_\_\_ is an integrated collection of related files along with the details about their definition, interpretation, manipulation and maintenance.
7. Which command is used to alter a record from the database ?
8. SQL stands for \_\_\_\_\_
9. Which tag is used to break a paragraph in HTML ?

(9 x 1 = 9 marks)

Part B

*Answer all questions.*

*Each question carries 2 marks.*

10. What is System software ?
11. What do you mean by multiprogramming operating system ?
12. What is Database ?

Turn over

13. Which command is used to create a table in SQL ? Give an example.
14. What are the basic HTML tools ?

(5 x 2 = 10 marks)

### Part C

*Answer any five questions.*

*Each question carries 5 marks.*

15. What are the advantages and limitations of High-level languages ?
16. What is a language processor ? Explain different types of languages processors.
17. What is a LAN ? What are its main objectives ?
18. Explain the various layers of Internet.
19. Explain real time and distributed Operating system.
20. Explain any *two* DML commands with example.
21. Explain different types of HTML elements.
22. Create a simple HTML document with tables and various lists.

(5 x 5 = 25 marks)

### Part D

*Answer any two questions.*

*Each question carries 10 marks.*

23. What is an Operating System ? Explain its functions and different types of Operating System.
24. Discuss different types of communication media used in computer networks.
25. Write a short notes on :
  - (a) Record based data model.
  - (b) HTML tags.

(2 x 10 = 20 marks)