

C 31174

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Name.....

Reg. No.....

**THIRD SEMESTER B.Sc. DEGREE EXAMINATION  
NOVEMBER 2017**

(CUCBCSS—UG)

Complementary Course

BCS 3C 03—FUNDAMENTALS OF SYSTEM SOFTWARE, NETWORK AND DBMS

Time : Three Hours

Maximum : 64 Marks

**Part A**

*Answer all questions.*

*Each question carries 1 mark.*

1. A program written in machine language is called \_\_\_\_\_ Program.
2. Transmission of computerized data from one location to another is called \_\_\_\_\_.
3. What is the commonly used unit for measuring the speed of data transmission ?
4. To connect a computer with a device in the same room, you might be likely to use \_\_\_\_\_ transmission media.
5. Define Multiprogramming.
6. End-to-end connectivity is provided from host-to-host in which layer of ISO/OSI.
7. Related fields in a database are grouped to form \_\_\_\_\_.
8. What are the serious problems of file management systems ?
9. Which is the device that converts computer output into a form that can be transmitted over a telephone line ?

(9 × 1 = 9 marks)

**Part B**

*Answer all questions.*

*Each question carries 2 marks.*

10. Differentiate machine language from assembly language.
11. What are the main functions of operating system ?
12. What are the types of networks ?
13. What are HTML attributes ?
14. Define SQL.

(5 × 2 = 10 marks)

**Turn over**

**Part C**

*Answer any five questions.  
Each question carries 5 marks.*

15. How Interpreter and Compiler differ ?
16. Define Data Model.
17. What are the different network topologies ?
18. Write a note on Coaxial cable.
19. What does a drop command do in SQL ?
20. What is the use of adding links in HTML ?
21. Differentiate between a batch operating System and Multiprogramming OS.
22. What are the different HTML Tags ?

(5 × 5 = 25 marks)

**Part D**

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

23. What are Language Processors ? Explain any two.
24. Discuss the OSI Model.
25. Explain about popular data models used in DBMS.

(2 × 10 = 20 marks)