

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MAY 2018**(CUCBCSS-UG)****Complementary Course****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. Translator for low level programming language were termed as :
(a) Assembler. (b) Compiler.
(c) Linker. (d) Loader.
2. Process is :
(a) Program in High level language kept on disk.
(b) Contents of main memory.
(c) A program In execution.
(d) A job in secondary memory.
3. What transmission media has the highest transmission speed in a network?
(a) Coaxial cable. (b) Twisted pair cable.
(c) Optical fiber. (d) Electrical cable.
4. Terminators are used in _____ topology.
5. Which command is used to retrieve a record from the database?
6. What is DML?
7. The tag that allows you to add a row in a table _____.
8. What should be the first tag in any HTML document?
9. Which tag is used to mark a beginning of paragraph?

(9 × 1 = 9 marks)**Turn over**

Part B

Answer all questions.

Each question carries 2 marks.

10. What is an assembler?
11. What are the functions of OS?
12. What is Database Management System?
13. What is the command to alter the value of an attribute in SQL?
14. What is HTML?

(5 × 2 = 10 marks)

Part C

Answer any five questions.

Each question carries 5 marks.

15. Explain different types of Operating System.
16. What advantages do compilers have over interpreters?
17. What is an operating system? Why it is necessary for a computer system?
18. What is data model? Explain different types of models.
19. What is SQL? How it is useful?
20. Explain different DDL commands in SQL.
21. Differentiate between a LAN and WAN. Write one example of each.
22. Explain any five HTML tag with example.

(5 × 5 = 25 marks)

Part D

Answer any two questions.

Each question carries 10 marks.

23. Explain the classification of programming language. What are the advantages and limitations of High-level languages?
24. Describe the various layers of the OSI model of network architecture with functions of each layer.
25. Explain general structure of HTML document and different types of elements in HTML.

(2 × 10 = 20 marks)