

17U241

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Name.....

Reg. No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2018

(CUCBCSS – UG)

Computer Science - Complimentary Course

CC17U CSC2 C02 – FUNDAMENTALS OF SYSTEM SOFTWARE

NETWORKS & DBMS

(2017 Admissions Regular)

Time: Three Hours

Maximum: 64 Marks

PART A

Answer all questions. Each question carries 1 mark.

1. Process is -----.
2. The TCP/IP network model has ----- layers.
3. The overall design of the database is called -----.
4. INSERT statement is an example of ----- command.
5. The HTML ----- element defines an individual list item.
6. Expand SMTP.
7. In relational model terminology a row is called a -----.
8. In SQL ----- statement removes all the data from a table.
9. The physical components of a computer are called -----.

(9 x 1 = 9 Marks)

PART B

Answer all questions. Each question carries 2 marks.

10. What is an assembler?
11. Differentiate between LAN and WAN.
12. Define database schema.
13. Explain CREATE database command.
14. What is hypermedia?

(5 x 2 = 10 Marks)

PART C

Answer any five questions. Each question carries 5 marks.

15. What is High-Level languages? Explain the advantages and disadvantages.
16. Explain network topologies.
17. What is relational data model? Explain its advantages and disadvantages.
18. Explain the structure of HTML document.

19. Compare and contrast compilers and interpreters.
20. What is guided transmission media? Explain it with one example.
21. Explain Database system structure.
22. Describe SELECT command in SQL. Illustrate with suitable example.

(5 x 5 = 25 Marks)

PART D

Answer any two questions. Each question carries 10 marks.

23. Describe any four types of operating systems.
24. Explain TCP/IP network model.
25. Explain the various elements used for defining a table in HTML, with suitable example.

(2 x 10 = 20 Marks)
