DCCA – 101

I Semester B.C.A. Degree Examination, February/March 2024
(NEP) (Freshers and Repeaters)
COMPUTER APPLICATIONS
Fundamentals of Computers

Time : 2½ Hours

Max. Marks : 60

Instruction : *Answer all the Sections.*

SECTION – A

I. Answer **any 6** questions. **Each** question carries **2** marks.   (6×2=12)

1) What is microcomputer ?

2) State and prove the commutative law using the truth table.

3) What is the anatomy of a computer ?

4) What is a multitasking operating system ?

5) What is dual booting ?

6) What is a file system ?

7) List any two advantages of DBMS.

8) What is a physical address ?

9) What is web browser ? Give an example.

SECTION – B

II. Answer **any 4** questions. **Each** question carries **6** marks.   (4×6=24)

10) List and explain the characteristics of computer.

11) Convert the following decimal number to a hexadecimal number.
    i) 366   ii) 155   (3+3)

12) Explain the steps involved during program execution.

13) Discuss the Unix system structure with a neat diagram.

14) Explain DDL Commands with examples.

15) Briefly explain about DNS.

SECTION – C

III. Answer **any 3** questions. **Each** question carries **8** marks.   **(3×8=24)**

16) a) Write a note on assembly language.   4

    b) State and prove De Morgan's law using truth table.   4

17) a) Write an algorithm and draw a flowchart to check given number is odd or even number.   5

    b) Explain about mainframe computer.   3

18) a) What is secondary memory ?   4

    b) Explain various functions performed by an operating system.   4

19) a) Explain multiprogramming operating system.   4

    b) Explain any two Unix commands with an example.   4

20) a) What are the roles and responsibilities of DBA ?   4

    b) Explain the structure of HTML with suitable example.   4

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