DCCA – 101

I Semester B.C.A. Degree Examination, February/March 2023
(NEP)
COMPUTER APPLICATIONS
CAC 01 : 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 a compiler ?

2) Define Unicode.

3) Mention any two characteristics of computers.

4) What is microkernel based operating system ?

5) Mention any four types of operating system.

6) Define Data and Database.

7) Mention any two TCL commands.

8) What is URL ? Give an example.

9) What is web browser ? Give an example.

SECTION – B

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

10) Explain the basic organization of computer with neat block diagram.

11) Write a note on Boolean operators with truth table.

12) Explain the classifications of computers based on function and operations.

13) Explain the functions of an operating system.

14) Discuss in detail database users.

15) Explain the structure of HTML with suitable example.

P.T.O.

SECTION – C

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

16) a) What is flowchart ? Draw a flowchart for sum of two numbers.   4

   b) Convert the following :   (2+2)

   i) $1AF_{(16)} = (?)_{(8)}$

   ii) $(25.213)_{10} = (?)_{(2)}$

17) a) Write a note on types of software.   4

   b) Explain any two output devices.   4

18) a) Write a note on Uniprogramming operating system.   4

   b) Explain any two Unix commands with example.   4

19) Explain the DML commands with example.   8

20) a) Explain the logical and physical address.   4

   b) Write a note on domain name system.   4

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