



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

