



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

Time: 21/2 Hours Max. Marks: 60

Instruction: Answer all the Sections.

## SECTION - A

 Answer any 6 questions. Each question carries 2 marks.  $(6 \times 2 = 12)$ 

- 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?
- 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.  $(4 \times 6 = 24)$ 

- 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.

P.T.O.



## 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
<ol> <li>Write an algorithm and draw a flowchart to check given number or even number.</li> </ol>	r is odd 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.	11 /

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