

23/12

6. (a) What do you understand by Problem Analysis?
Describe the role of problem solving techniques in computer.

(b) Draw a flow chart to check given number is palindrome or not.

7. Write short notes on the following:

(a) Notepad

(b) Paintbrush

(c) Taskbar

8. Explain types of Read Only Memory (ROM).

9. (a) Differentiate between relative and absolute cell referencing techniques with the help of a sample data in MS Excel.

(b) Write down the advantages of MS Word.

-----X-----

Roll No. :

Total No. of Questions : 9] [Total No. of Printed Pages : 4

BCA-1001

BCA (Semester-I) (NEP) Examination, 2024-25

(Major)

COMPUTER FUNDAMENTAL AND PROBLEM SOLVING TECHNIQUES

[Paper : First]

Time : 2 Hours]

[Maximum Marks : 75

Note : 1. This paper consists of three Sections-A, B and C.

Attempt questions from all Sections as directed.

2. The candidates are required to answer only in serial order. If there are many parts of a question, answer them in continuation.

3. "B" copy will not be provided.

Section-A

Short Answer Type Questions

Note : All questions of this section are **compulsory**. Each question carries **5** marks. [9×5=45]

1. (a) Define computer with characteristics.
- (b) Explain block diagram of computer.
- (c) Differentiate between static and dynamic RAM.
- (d) What do you understand by sorting in MS Excel? How it is useful?
- (e) What is Justification? Explain briefly the ways a paragraph in MS Word document can justified.
- (f) What do you understand by Machine Language?
- (g) Explain the features of Linux operating system.
- (h) What are advantages of super computer?
- (i) Write the steps to change background color on all slides within a PPT.

Section-B

Long Answer Type Questions

Note : This section is consists of four questions. Attempt **any one** question. Each question carries **15** marks. [15×1=15]

2. Explain computer generation in detail.
3. Explain secondary memory and its types in detail.
4. Solve the following :
 - (a) $(145.25)_{10} \rightarrow (?)_2$
 - (b) $(4726)_8 \rightarrow (?)_{10}$
 - (c) $(ABC)_{16} \rightarrow (?)_{10}$
5. (a) What do you understand by an Algorithm? Define characteristics of an algorithm.
- (b) Explain three input and three output devices of computer.

Section-C

Long Answer Type Questions

Note : This section is consists of four questions. Attempt **any one** questions. Each question carries **15** marks. [15×1=15]

