



B.C.A. I Semester Degree Examination, April/May - 2024

COMPUTER SCIENCE

Programming in C

(NEP)

Time : 2 Hours

Maximum Marks : 60

SECTION - A

Answer **all** the questions. Each question carries **one** mark.

10x1=10

1. (a) Who developed C-language ?
- (b) Write any two keywords available in C.
- (c) What is the value of 'x', if a is initially assigned as 6 and then incremented using the post-increment operator in the expression $x=a++$?
- (d) What is the purpose of break statement ?
- (e) Define array.
- (f) Write the use of isalpha () function.
- (g) List any two uses of user defined functions.
- (h) What is a Pointer ?
- (i) Define Structure.
- (j) What is the use of Union ?

SECTION - B

Answer **any four** questions. Each question carries **five** marks.

4x5=20

2. Mention the rules for declaring an identifier in C language.
3. Write different types of relational operators in C.
4. What is syntax for declaring a one-dimensional array in C, and how is its memory represented ? Give example.



5. Write syntax to declare and initialize pointers.
6. Differentiate between Structure and Union.
7. Write a C program to read percentage of marks and to display appropriate message (using else if ladder).

SECTION - C

Answer **any three** questions. Each question carries **ten** marks.

3x10=30

8. (a) Write a structure of C program.
(b) Explain scanf () and printf () statements with syntax.
9. What is looping ? Explain any two types of looping available in C.
10. Explain different string handling functions in C.
11. Explain any two types of user defined functions.
12. With syntax and example explain declaring a structure.

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