



24CS-BCAP-MA-01-01001

Seat No. \_\_\_\_\_

BACHELOR OF COMPUTER APPLICATION-CS Examination  
BCA - CS SEMESTER-1 JANUARY 2026 ( NEP ) JANUARY - 2026

PROGRAMMING IN C

Faculty Code : 017

Subject Code : 24CS-BCAP-MA-01-01001

Time : 2 Hours]

[Total Marks : 50

- Q.1 Attempt the following. 3
- (A) (1) Name a founder of C language with place and year.  
(2) What is full form of POP ?  
(3) Which of the following is invalid variable names?(a)\_basic (b) basic-hra
- Q.1 Attempt any one of the following. 2
- (B) (1) Write in brief a History of C language.  
(2) Explain Basic Data types of C.
- Q.1 Attempt any one of the following. 5
- (C) (1) Explain identifier and keywords of C .  
(2) What is a variable? write rule for constructing variable name.
- Q.2 Attempt the following. 3
- (A) (1) Name three types of control statements.  
(2) goto statement is known as jumping statement true/false?  
(3) The conditional statement should not be terminated with Semi-colons i.e.( ; ) true/false ?
- Q.2 Attempt any one of the following. 2
- (B) (1) Give name of looping control statements  
(2) Give name of decision-making statements.
- Q.2 Attempt any one of the following. 5
- (C) (1) Write in brief about entry control looping statements with example.  
(2) Explain about break and continue statements in detail
- Q.3 Attempt the following. 3
- (A) (1) strlen() function belongs to \_\_\_\_\_ header file.  
(2) abs() function is for \_\_\_\_\_.  
(3) \_\_\_\_\_ will returns the capital alphabet if the character passed is small.
- Q.3 Attempt any one of the following. 2
- (B) (1) Write the use of getch(),getche(), getchar() in program coding.

- (2) Name the unformatted input/output functions.
- Q.3 Attempt any one of the following. 5  
(C) (1) Explain about memory allocation functions of C language.  
(2) What is recursion ? Explain it with an example
- Q.4 Attempt the following. 3  
(A) (1) \_\_\_\_\_ can store a fixed-size sequential collection of elements of the same data type.  
(2) An array index number always in \_\_\_\_\_ number type.  
(3) A \_\_\_\_\_ in c is an address, which is a numeric value.
- Q.4 Attempt any one of the following. 2  
(B) (1) Explain the term pointer.  
(2) Define types of an array.
- Q.4 Attempt any one of the following. 5  
(C) (1) Explain concept of pointer to array with example.  
(2) Explain concept of pointer to pointer with example.
- Q.5 Attempt the following. 3  
(A) (1) \_\_\_\_\_ concept that enables us to store the collection of different data types.  
(2) \_\_\_\_\_ function is used to dynamically de-allocate the memory  
(3) \_\_\_\_\_ in C is a special kind of data type defined by the user
- Q.5 Attempt any one of the following. 2  
(B) (1) Differentiate between structure and union  
(1) Differentiate between array and structure.
- Q.5 Attempt any one of the following. 5  
(C) (1) Explain about Dynamic Memory Allocation functions.  
(2) Write the concept of nested structure with example.

::: END OF EXAM :::