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 (A) Attempt the following. 3

(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 (B) Attempt any one of the following. 2

(1) Write in brief a History of C language.

(2) Explain Basic Data types of C.

Q.1 (C) Atempt any one of the following. 5

(1) Explain identifier and keywords of C .

(2) What is a variable? write rule for constructing variable name.

Q.2 (A) Attempt the following. 3

(1) Name three types of control statements.

(2) goto statement is known as jumping statement true/false?

(3) The conditional statement should not the terminated with Semi-colons i.e.(;) true/false ?

Q.2 (B) Attempt any one of the following. 2

(1) Give name of looping control statements

(2) Give name of decision-making statements.

Q.2 (C) Attempt any one of the following. 5

(1) Write in brief about entry control looping statements with example.

(2) Explain about break and continue statements in detail

Q.3 (A) Attempt the following. 3

(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 (B) Attempt any one of the following. 2

(1) Write the use of getch(),getche(), getchar() in program coding.

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(2) Name the unformatted input/output functions.

Q.3 (C) Attempt any one of the following. 5

(1) Explain about memory allocation functions of C language.

(2) What is recursion ? Explain it with an example

Q.4 (A) Attempt the following. 3

(1) _____can store a fixed-size sequential collection of elements of thesame 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 (B) Attempt any one of the following. 2

(1) Explain the term pointer.

(2) Define types of an array.

Q.4 (C) Attempt any one of the following. 5

(1) Explain concept of pointer to array with example.

(2) Explain concept of pointer to pointer with example.

Q.5 (A) Attempt the following. 3

(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 (B) Attempt any one of the following. 2

(1) Differentiate between structure and union

(1) Differentiate between array and structure.

Q.5 (C) Attempt any one of the following. 5

(1) Explain about Dynamic Memory Allocation functions.

(2) Write the concept of nested structure with example.

::: END OF EXAM :::

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