

Dr. Babasaheb Ambedkar Open University
Term End Examination July – 2026

Course	: BCA	Date	: 17/07/2026
Subject Code	: BCAR-103 / DCAR-103	Time	: 11:30am to 01:45pm
Subject Name	: FUNDAMENTAL OF PROGRAMMING USING C LANGUAGE	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Explain the Basic Structure of a C Program.
2. How many types of operators in C? Explain all operators with suitable example.
3. Demonstrate how a switch statement works with a proper example.
4. List out types of arrays? Explain one-dimensional arrays with proper example.
5. What is function? List of categories of function. Explain any one categories of function with appropriate example.

Section B

Answer the following (Attempt any four) (20)

1. What is 'C Tokens'? List out types of 'C Tokens'. Explain any two with suitable example.
2. Explain if....else and else if ladder with example.
3. Examine the components of a "For" loop and its working mechanism.
4. Explain String Handling Functions in brief.
5. Explain the concept of structure within structure with an appropriate example.
6. Explain arrays of pointers with proper example.

Section C

Part – A (Multiple Choice Questions) (10)

- 1 Binary language is also called _____ Language.
A Machine B High-Level
C Mark-up D None of these
- 2 C-Language is _____ level language.
A Low B High
C 4th GL D Machine
- 3 _____ is a translator which translate and execute line by line.
A Compiler B Interpreter
C Assembler D None of the above
- 4 Every C-Statement ends with _____.
A ; B @
C _ D Enter
- 5 if int a=5,b=2; then what will be output of printf(“%f”,a/b);
A 2.000000 B 1.5
C 2.500000 D 2.5

- 6 To write a character value on the console screen following formatted function is used.
A putchar() B getchar()
C scanf D printf()
- 7 String is nothing but group of _____.
A floats B Booleans
C characters D None of the above
- 8 Arguments passed at time of definition of function is called ____ argument.
A formal B normal
C actual D dummy
- 9 If we need to pass array declared locally in one function to another function, the formal argument of another function should be _____.
A pointer B structure
C normal variable D None of the above
- 10 To create the file pointer _____ function is used.
A F open() B F close()
C F print() D F scan()

Part – B (Do as Directed)

(10)

- 1 printf() function is available in _____ header file.
- 2 ____ keyword is used to terminate, premature loop.
- 3 What is arrays?
- 4 Array int y[3][4][5] can accommodate _____ elements.
- 5 EOF stands for _____.
- 6 _____ is the default return type of the UDF.
- 7 What is recursion function?
- 8 The memory space occupies by the variable of _____, is same as memory space needed for its largest data member. [Union / Structure]
- 9 To store address or reference of another variable, we need _____.
- 10 The scanf() function is used to display output on the screen. [True/False]
