

Dr. Babasaheb Ambedkar Open University
Term End Examination July – 2021

Course	: BCAR/DCAR	Date	: 03-July-2021
Subject Code	: BCAR-103/DCAR-103	Time	: 01:00pm to 03:00pm
Subject Name	: Fundamental of Programming Using C Language	Duration	: 02 Hours
		Max. Marks	: 50

Section A

Answer the following (Attempt any two) (20)

1. Explain C-Program structure in brief.
2. List and explain all data types available in C-Language with their size, format specification, range and example.
3. List and explain different types of loops available in the C-Language with an example of each.
4. What is an array? How can we declare and initialize different types of arrays?

Section B

Answer the following (Attempt any three) (15)

1. Differentiate Compiler and Interpreter.
2. List and explain all relational operators with example.
3. What is nested if condition? Explain it with an example.
4. Discuss various methods to initialize strings in C-Language.
5. What is structure? How can we declare and initialize structure variables?

Section C

Part – A (Multiple Choice Questions)

(10)

- 1 Range of unsigned integer variable is _____.

A	-128 to 127	B	-32768 to 32767
C	0 to 65535	D	0 to 255

- 2 Format string to print an integer variable is _____.

A	%i	B	%f
C	%c	D	None of the above

- 3 From the given below, which is not a keyword?

A	static	B	const
C	typedef	D	tmp

- 4 From the given below, _____ is a bitwise operator.

A	&&	B	&
C	++	D	+=

- 5 From the given below, _____ is a ternary operator.

A	>=	B	!=
C	?:	D	>>

6 _____ unformatted function is used to accept only one character from the user into a character variable and the character inputted by the user will be displayed on the console screen.

A	getche()	B	getchar()
C	getch()	D	None of the above

7 To terminate pre-mature loop, _____ statement is used.

A	break	B	exit
C	terminate	D	end

8 _____ is a special variable, used to store the address of another variable.

A	structure	B	pointer
C	union	D	array

9 To access data member of structure variable using pointer, _____ operator is used.

A	*	B	&
C	=	D	->

10 A loop which never ends, is called _____.

A	while loop	B	do ... while loop
C	nested loop	D	infinite loop

Part – B (Do as Directed)

(05)

State whether the following statements are true or false

- 1 Do...while loop is entry control loop.
- 2 To divide two numbers % operator is used.
- 3 ?: is a conditional operator.
- 4 To represent 3*3 matrix, 3-dimensionsal array is used.
- 5 Statement 'goto' is a condition jump statement.
