COPYRIGHT RESERVED BCA(Sem-I) - CC - 2

2020(Voc)

Time: 3 hours

Full Marks: 50

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from all the Sections as directed.

Section - A

- Choose the correct answer from the given options:
 - (I) What is Sizeo f() in C?
 - (a) datatype
- (b) Operator
- (c) Function
- (d) Macro
- (II) Which of the following statements should be used to obtain a remainder after dividing 3.14 by 2.1?
 - * (a) Rem = 3.14 % 2.1
 - (b) Rem = modf(3.14, 2.1)

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(Turn over)

(c) Rem = fmod(3.14, 2.1)				
(d) Rem = 3.14/2.1				
(III) Which of the following special symbol allowed in a variable name?				
(a) * (asterisk)				
(b) (pipeline)				
(c) -(hyphen)				
. (d) _(underscore)				
(IV) Which of the following is the correct order of				
evaluation for the below expression?				
z=x+y*z/4%2-1				
(a) 1%+-=				
(b) = */%+-				
·(c) /* %-+=				
(d) * % / - + =				
(V) Which of the following is not logical				
operator?				
(a) & (b) & &				
(c) II (d) !				
2. Fill in the blanks: 1×5=5				
(I) If a variable is a pointer to a structure, then				
operator is used to access				
data members of the structure through the				

pointer variable.

	(II) If the two strings are identical, then strcmp()				
		function returns	SUP BUR USE	SINT	
	(III) It is posible to allocated a block of memor				
	(of arbitrary size) at run-time, using the				
		functio	n.eu grieu v	admon	
	(IV)	A float occupies _	by	ytes.	
		uses a			
		access a specific	element.		
	Section – B				
	There are four questions in this Section. Answer				
ELIE	10 Describe the various types of loop in U lange				
	any	two questions:	dariyasi.	5×2 = 10	
3.	What is pointer? How is a pointer initialized?				
4.	What is a structure ? How does a structure differ				
	fror	n an union?	existing la		
5.	Distinguish between actual argument and t				
•	argurment in a function.				
				does it differ	
6.		/hat is an array variable? How does it differ			
	from	n an ordinary variab	ole ?		
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The second second					

3.

4.

5.

6.

Section - C

There are five questions in this Section. Answer any three questions: $10 \times 3 = 30$

- 7. Write a C program to find factorial of the given number using user defiend function.
 - 8. Describe the various types of relational and logical operators in C with suitable examples.
 - 9. Write a C program to find th sum of principle diagonal elements.
 - 10. Describe the various types of loop in C language with examples.
 - 11. A file called "STUDENTT DAT" contains information such as student roll number, name and total marks. Write a C program to create a file to store details of n students.