## NATIONAL FORENSIC SCIENCES UNIVERSITY

B.Tech. - M.Tech. Computer Science and Engineering (Cyber Security)
Semester - I - March-2022

G 11 4 G 3		Date: 17/03/2022
	CTBTCSE S1 P4	
Subject Name:	Fundamentals in Comput	ter Programming with C
Time:		Total Marks: 100

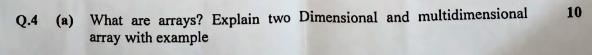
## Instructions:

(c)

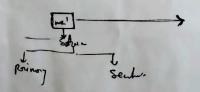
example.

- 1. Write down each question on separate page.
- 2. Attempt all questions.
- 3. Make suitable assumptions wherever necessary.
- 4. Figures to the right indicate full marks.

0.1	(a)	What is Computer? Draw block diagram of computer System and	10	
Q.1	(a)	explain it.		
	(b)	What is Operating System? Explain functions of Operating System	05	
	(c)	Write an algorithm and Draw a flowchart to find simple interest  OR	05	
	(c)	Write an algorithm and Draw a flowchart to convert temperature from	BX1xx	
		Fahrenheit to Centigrade	- 10-	
Q.2	(0)	Explain different type of operators used in C language with their	10	
Q.Z	(a)	precedence and associativity.		
	(b)	Define (A) Token (B) Identifier (C) Constant (D) Type casting (E)	05	
	(2)	Storage class		^ ~
	(c)	Write a C program to swap the values of two variables without using	05	7. 12
		third variable.		p
		OR		
	(c)	What is type conversion? Explain implicit type conversion and		
		explicit type conversion with example.		
		The sing Fundain different types of loops	10	
Q.3	(a)	What do you understand by looping? Explain different types of loops		
		in C with example,	05	
	(b)	Write a C Program to print 1 to 20 using While statement.	05	
	(c)	Explain ifelse and else if ladder with example.	03	
		OR		



State the syntax of Switch-case statement. Explain it with appropriate



Ridwise Avist which operator Relational Operator Logical Assignat. Toranser

	(b)	What is Structure? How to define and access elements of structure?	05
	(c)	Explain with complete example programme.  Explain gets() and puts() with example	05
		OR	
	(0)	Explain strcpy() and strcmp() with example	
0.5	(a)	What is UDF? Discuss categories of UDF with example	10
Q.5		Explain recursion function with example	05
	(b)	Explain recursion function with example	05
	(c)	Differentiate:- Call by Value V/s Call by reference	- Ac.
		OR	
	(c)	Write a programme to pass entire array to UDF and count and print	
		how many numbers are positive, negative and zero	

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