С		Reg. No. :										
		Question Pa	aner (Code	9927	78	•		I			
Question Paper Code: 99278 B.E./B.Tech. DEGREE EXAMINATION, NOV 2024												
Open Elective												
		Civil										
		19UCS978- Introdu	•	÷	orami	ning						
	(Common to ECE, E		emical,	, AGRI,	-	-	5 & B	iotecl	nnolog	y		
		(Regul	lations	2019)								
Dur	ation: Three hours					I	Maxin	num:	100 M	arks		
		Answer A	ALL Q	uestions								
		PART A - ((5 x 1 =	= 5 Marl	ks)							
1.	For 16 bit compiler all	owable range for in	nteger	constant	is				(CO1-		
	(a) -3.4e38 to 3.4e38	(b) -32767 to 327	68 (c) -3266	i8 to 3	2667	(d)	-3276	58 to 32	2767		
2.	What is the value of x	in this C code?							CC	1- A		
	<pre>#include <stdio.l *="" 9="" int="" main()="" pre="" print("%d",x);}<="" void="" x="5" {=""></stdio.l></pre>	/ 3 + 9;										
	• • • • • • • • •	Depends on compi	ler	(c)24			(d)) Erro	or			
3.	3. How many integer values can the array N[5][5] store?								(CO1-		
	(a) 10	(b) 25		(c) 16			(d)) 24				
4.	A C structure or User	defined data type is	s also c	alled					CC	2- A		
	(a) Derived data type		(b) Secondary data t				e					
	(c) Aggregate data type			(d) All the above								
5.	Which of the following during file handling?	g status –enquier fu	inction	s is used	l to de	etect I/	O erro	ors	(CO1-		
	(a) feof() (b)	error() ((c) ferr	or()		(d)	None	of th	ese			

		PART - B (5 x 3 = 15 Marks)										
6.	Writ	te an algorithm to find the ODD or EVEN of the given number	CO1- U									
7.	Wha	at is the difference between while and do-while statement	CO1- U									
8.	Wha	at is meant by recursion?	CO1- U									
9.	How	to pass a pointer to the function?	CO1- U									
10.	Defi	ne file? What are basic operations of file?	CO1- U									
	PART – C (5 x 16= 80Marks)											
11.	(a)	Draw and explain the basic organization of the computer. Or	CO1- U	(16)								
	(b)	Explain in detail about the classification and generation of computers	CO1- U	(16)								
12.	(a)	Explain in detail about Constants with examples. Or	CO1- U	(16)								
	(b)	Describe the different forms of if statement in C .Write a C Program using if then else ladder condition.	CO1- U	(16)								
13.	(a)	What is two dimensional array and how to declare and initialize a two dimensional array in C? Write a program for Addition of 2 matrices.	CO3-App	(16)								
		Or										
	(b)	Write a C program to input an array of 10 integers and find the maximum and minimum number in the array. Also, Calculate the average of all values in the array.	CO3- App	(16)								
14.	(a)	Explain in detail about structure with example Or	CO1- U	(16)								
	(b)	Define Union? Write a program for student mark analysis system.	CO1- U	(16)								
15.	(a)	example	CO1- U	(16)								
		Or										

Or

(b) Explain detail about command line arguments in C. CO1- U (16)