12/22.

Da 2022 F.E. SemII (C Scheme, R-2019)

Time: 2 hour

Max. Marks: 60

NB: 1) Questio	n No.1 i	is compulsory.
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2) Attempt any three questions f	from question no. 2 to 6.
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Q1 (15 marks)	npt any three questions from question no. 2 to 6. Solve any Three out of the following (5 marks each)					
A	Explain what is flowchart? Explain different symbols used in flowchart.					
В	Explain following library functions with proper example. 1. pow() 2.ceil() 3. floor() 4. sqrt()					
С	Write a program to print following pattern after accepting number of rows from user. 1 23 456 78910					
D	Differentiate between Structure and Union.					
E	Explain conditional Operator with proper example.					
Q2 (15marks)	What is Recursion? Write a program to find GCD of two numbers using					

Q2		
(15marks)	What is Recursion? Write a program to find GCD of two numbers using recursive function.	6M 5M
В	Explain Different data type modifiers available in C language.	
C	Write a program to find length of a string without using standard library	4M
Q3.	function.	
(15marks)	Write a program to display all prime numbers from 100 to 500.	6M
A	Write a program in C to find average of N elements entered by user using an	5M

marks)	Write a program to display all prime numbers from 100 to 500.	OIVI
A	Write a program to display all prints and alements entered by user using an	
	Write a program to display an prime numbers and write a program in C to find average of N elements entered by user using an	5M
		4M
~ ``	array. Explain with example left and right shift bitwise operators.	
C		

04						
(15marks)	Write a progr	am to store	informat	ion of 10 stu	dents using Structure. Inform	nation
					ed string is palindrome or no	

Paper / Subject Code: 29715 / C Programming

	Write the output for the following code.	
С	#include <stdio.h></stdio.h>	
	void main()	
	{	
	int i; for(i=0; i<5i++);	
	printf("%d",1);	
	printf("\nhi");	.5
		37
		6M
Q5	mhars	i n
(15marks)	Write a program to find largest of three numbers.	5M
A	Write a program to find largest or building and exit controlled loop. Differentiate between entry and exit controlled loop.	4M
В	Differentiate between entry and extremely an	43
С	Explain the need of I differ	\mathcal{G}
		CM)
Q6	Write a program to check whether square matrix is symmetric or not.	6M
(15marks)	Write a program to check whether square matrix	is prime
A	Write a program to check whether square matrix is symmetric. Write an algorithm and draw flowchart to check whether given number. Write an algorithm and draw flowchart to check whether given number.	5M
D.	Write an algorithm and	4M
В	number or not. Explain with syntax and example multi-way branching statement	
C	Explain with system	