## Paper / Subject Code: 29715 / C Programming

1T01832 - F.E.(SEM II)(ALL BRANCHES) (Rev - 2019-20 C Scheme) / 29715 - C Programming DATE: 17/12/2022 QP CODE: 10013334

Time: 2 hour Max. Marks: 60

## NB: 1) Question No.1 is compulsory.

2) Attem	pt any three questions from question no. 2 to 6.	
Q1 15 marks)	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()	
C	Write a program to print following pattern after accepting number of rows user.  1 23 456 78910	from
D S	Differentiate between Structure and Union.	
E	Explain conditional Operator with proper example.	
Q2 (15marks)	Bray Stray Stray Selection Stray Stray Stray	
A S	What is Recursion? Write a program to find GCD of two numbers using recursive function.	6M
В	Explain Different data type modifiers available in C language.	5M
G C C	Write a program to find length of a string without using standard library function.	4M
Q3		
(15marks)		
S'A	Write a program to display all prime numbers from 100 to 500.	6M
B S	Write a program in C to find average of N elements entered by user using an array.	5M
C	Explain with example left and right shift bitwise operators.	4M
Q4		
(15marks)	Write a pregram to store information of 10 students using Structure Information	otion
A	Write a program to store information of 10 students using Structure. Information of 10 students using Structure. Information of 10 students using Structure.	ation 6M
16	Write a C program to check whether user entered string is palindrome or not	

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$\mathbf{C}$	Write the output for the following code.	4M
	#include <stdio.h></stdio.h>	
	void main()	
	int i;	
	for(i=0;i<5i++); printf("%d",i);	
	printf("\nhi");	
	} Print(unity)	
<b>Q5</b>		
(15marks)		
A	Write a program to find largest of three numbers.	6M
В	Differentiate between entry and exit controlled loop.	5M
C	Explain the need of Function Prototype with example.	4M
Q6		
(15marks)		
A	Write a program to check whether square matrix is symmetric or not.	6M
469	Write an algorithm and draw flowchart to check whether given number is p	prime
R	number or not.	5M
,67°C ,6	Explain with syntax and example multi-way branching statement	4M

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