KADI SARVA VISHWAVIDHYALAYA

B.E Semester-1 Examination (Branch Name) Month 2023

Subject Code: CC103-N

Subject Name: FUNDAMENTAL OF PROGRAMMING

Time: 12:00 PM to 03:80 PM

Total Marks: 70

Date: 30 (12 (2023		30 (12 (2023	Time: 12:00 PM to 03:80 PM Total M:		
<u>ln</u>	1. / 2. 1 3. / 4. I	Use of scientific calcul All questions are Com ndicate clearly, the op		uestion number.	
Q-	(E (C	List out operators u Assume that you w	? Draw and explain block diagram of compute sed in C language and explain any two with exant to make sum of I to 100. Write a C proposition of the second with the second control of the second contro	cample.	[5] [5] [5]
	(C		OR for simple calculator (+, -, *, /, %) using switc	h-case	[5]
Q-2	(A (B)		ructure of a C program. o compute the series 1! + 2! + 3! ++ n!, re	ad value of n	[5] [5]
		nom me user.	OR		
Q-2	(A) (B)	Draw the flowchart	else_if ladder and explain with example. write a C program to find the sum of all intego 0 that are divisible by 7.	ers greater than	[5] [5]
Q-3	(A) (B)	Write a C program to	o copy string without using strepy() function. ist all types of data type available in C and str	ate the rules to	[5]
		demie ideminer.	OR		
2-3	(A) (B)	1. Explain scope and	reverse the string without using inbuilt func- life time of variable. by recursive function? Explain with small e		[5] [5]
			Section-II		
-4	(A)	example.	in any two string handling functions with sy		[5]
	(B)	Write a C program to Display Sum, Minimu	read 10 numbers from user and store them in im and Average of the numbers.	an array.	[5]
	(C)	Explain the function de example.	efinition, function prototype and function ca	all with relative	[5]
13	(C)	D. 1.	OR		
	(C)	Explain one dimension array with their syntax	nal array, two dimensional array and multi-d and example.	imensional	[5]

Q.5 (A) Write a program using structure to get name, roll number, and marks of a	[5]
(B) student's of a class and find out who got highest marks. Explain the use of pointer in C programming. How to declare and initialize pointer in C.	[5]
Q-5 (A) Write a C program to display following output using for loop.	[5]
Q-6 (B) What is structure? Explain structure within structure with example. Explain the following File Handling functions: 1. fseek() 2. ftell() 3. fread() 4. fwrite() 5. fscanf()	[5]
(B) Explain call by value and call by reference with example. Q-6 (A) Explain implicit and explicit type conversion with example. (B) Write a program to read a matrix of size m*n and print its transpose.	[4]

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Seat No.				
	1			_

KADI SARVA VISHWAVIDYALAYA B.E. Semester-I Examination (June-2023)

SUBJECT CODE: CC103-N

SUBJECT NAME: Fundamental of Programming

DATE: 19/06/2023

TIME: 10:00AM to 1:00PM

TOTAL MARKS: 70

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Ins	m)C	ВΟ	ш	

- 1. Answer each section in a separate Answer Sheet,
- 2. Use of scientific Calculator is permitted.

			SECTION - 1	
Q-1.	a)		efine (i) Compiler (ii) Interpreter (iii) Assembler. nd explain types of programming languages.	5
		17.7	explain types of programming languages. Explain the structure of C program give an example.	
	b)		compare interpreter and compiler.	5
	C)	C	OR.	5
	5040			
	c)	٧	Write a program to find average of three numbers.	5
Q-2.	a)	e	Explain increment, decrement and sizeof() operators in C with examples of each.	5
	b)		Write a program to find maximum and minimum numbers from four numbers by using nested if-else statement. OR	5
Q-2	. a)		Explain recursive function with example.	5
	b	9	Write a program and draw the flowchart for a program to print the following 4 3 2 1	5
			321	
			21	
		-\	Explain Machine Language , Assembly Language and High level Language	5
Q.	3.		Write a program to check whether the entered number is prime or not.	5
		b)	OR	
-				5
Q	-3.	a) b)	and the second s	

LDRP INSTITUTE OF TECHNOLOGY & RESEARCH

REMEDIAL EXAMINATION DEC-2023

Subject of Subject N Branch:	vode: CC103-N Name: FUNDAMENTALS OF PROGRAMMING B.E (All) Date: 07/12/2023	Total Marks: 30 SEM: 1 st Time: 9:15 to 10:45	
Que:1 (a)	Draw and explain block diagram of compute	r system.	05 05
Que:2 (a)	What is algorithm? Write an algorithm to	find factorial of given	05
(b)		variables.	05
Que:2 (a)	to get maximum number am	ariables.	05 05
Que:3 (a)	Explain different types of looping system. Write a program to find reverse of given num OR	9	05 05
Que:3 (a)	Write a program to print 1 to 5 numbers using Write a program to compare two strings.	garray.	05 05

KADI SARVA VISHWAVIDYALAYA B.E. Semester-I Examination (Febuary-2022)

SUBJECT CODE: CC103-N

DATE: 10/02/22 TOTAL MARKS: 70 SUBJECT NAME: Fundamental of Programing

TIME: 12:30 pm to 3:30 pm

Instructions:

- Answer each section in separate Answer Sheet.
- 2. Use of scientific Calculator is permitted.
- 3. All questions are compulsory.
- 4. Indicate clearly, the options you attempted along with its respective question number.
- 5. Use the last page of main supplementary for rough work.

SECTION-1

		SECTION-1	
Q-1.	a)	Explain types of programming languages. Differentiate between compiler and	5
4	-,		5
	b)	interpreter. Differentiate between Algorithm and Flowchart. Draw a flowchart to print the	
		and the state of t	5
	c)	smallest digit among three integer digits. What is variable and constant in C? Explain them with the help of example.	
	3		
		OR	5
	c)	Draw a block diagram of computer system and explain it.	-
	-,		5
	-1	Explain arithmetic, logical operator and relational operator used in C language.	5
Q-2.	a)	Explain arithmetic, logical operator and relational operator and explicit type What is type conversion? Explain implicit type conversion and explicit type	
	b)	conversion with example.	
		OR	_
	200	Distinguish between the following pairs:	5
Q-2.	a)	and "ecuni innercons.	
		(2) "%s" and "%c" specifications for reading. State the different types of If statement and explain any one with proper example.	5
	b)	State the different types of its statement	
		the string handling functions in C.	5
Q-3.	a)	What is String? Explain any three string handling functions in C.	5
	b)	Write a C program to display the following triangle for N lines.	-
		1	
		A B	
		1 2 3	
		ABCD	
		1 2 3 4 5	

1,

Q-3.	2)	OR OR	
4.5.	b)	brogram to check whether a given string is polindenne as and	5
	0)	What is Array in C language? State advantages and disadvantages of Array.	5
		SECTION - 2	
Q-4.	a)	Write a program to display transpose of given 3*3 matrix.	
	b)	Explain following operators used in C language. 1) Increment 2) Decrement 3) Bitwise.	5
	c)	Write a C program to store information (Name, Roll No., and Marks) of 10 students using structure and display in proper format. OR	5
	c)	Write C function to print factorial of number between 1 to 20.	5
Q-5.	a)	Describe types of function based on arguments and return type.	5
	b)	Explain nested structure and array of structure with example.	5
		OR	
Q-5.	a)	What is user-defined function? Explain Actual argument and Formal argument.	5
-	b)	What is array of pointers? How it's declared and explain in brief.	5
Q-6.	a)	Describe file management? List the various file handling operations in c.	5
	b)	What is the purpose of switch statement? Explain its syntax with an example.	5
	100.00	OR	
2-6.	a)	Difference between Structures and Unions.	5
	b)	Write a program to find out sum of 6 elements of array using pointer.	5