## Mid SemesterExamination 2022

Name of the Program: MCA

Semester 1

NameoftheCourse: Programming Methodology Using 'C' CourseCode:TMC-101

Time:1:30Hours

MM: 50

Note:

Answer all the questions by choosing any one of the sub questions. (i)

Each question carries 10 Marks. (ii)

Q.1	(10 Marks	
a)	Write an algorithm and draw flowchart to find the factorial of a number.	CO1
	OR	
b)	Define token in C language. Differentiate between keywords and Identifiers by giving suitable example.	COI
Q.2		
B)	Write in brief about various data types available in C. Write their format specifiers, range and memory requirements.	CO1
	OR	k, jir jina kusi 26. Kalendar
))	Justify the need of type conversion in C. Discuss Implicit and Explicit type conversion with the help of suitable example.	CO1

Q.3	(10 Mark	A
a)	DISCUSS the need of Storage almost to	2
NE ES	Discuss the need of Storage classes in C language. Explain the types of Storage classes with the help of suitable example.	CO2
	and near of surlable example.	
	OR	
0)	Determine the value of X if a=10, b=5, c=15.	X X
	a. X=a>b &&b <c< td=""><td></td></c<>	
	b. X=a>b    b <c< td=""><td></td></c<>	
	c. X=a=-b    a <c< td=""><td>Ten .</td></c<>	Ten .
	d. X=a&&b	CO2
	e. X=15   b	
).4		
	(10 Marks)	
	What do you mean by	
	What do you mean by operators in C? Discuss the different types available	CO2
	OR	1 -
	Determine the output of the following code	. te
	The second secon	
	printf("%d",x&y);	
	Printi("%d",x v);	E .
	IDECS:1471902.235A	
	printf("%d",x<<2);	200
	Carlo Myree see	CO2
	printi("%d",y>>2);	

5	(10 Mark	8)
	Discuss the role of Precedence and Associativity of operators in C Languageby taking suitable example.	C02
	OR	1
	Determine the output of the following:-	
		CO2
	a. int main()	
	int b=052; printf("%d",b); return 0;	
	return US	
	b. int main()	
	inta,b; a=10.20,30,40,50; b=(10.20,30,40,50); printf("%d",a); printf("%d",b); return 0;	
	b=(10,20,30,40,50);	ľ
100	printf("%d", b);	
	return v.	
	c. void main()	
	intk; k=1;	
	k	
	printf("%d",k):	**
- 1	printf("%d",k); k=printf("GEHU"); printf("%d",k);	91
	k;	
	d. int main()	
	int k=1,s=2;	
	int t; f=k++ + s;	
	t=k++ + s; printf("%d%d%d";t,k,s); return 0;	
1	e. int main()	
	int b=0.k=0:	
	int b=0,k=0; k=b++++++b+b++; printf("%d%d",k,b); return 0;	
	return 0;	
		t.

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