M.C.M. Semester—I Examination PROGRAMMING METHODOLOGY Paper-1MCM2

Time : Three Hours] [Maximum Marks : 80						
	irks : 80					
N.B	N.B. :— (1) All questions are compulsory.					
		(2) Due credit will be given to neatness.				
1.	(a)	What is Variable? Explain rules for creating variable.	6			
	(b)	Explain formatted output with example.	6			
	(c)	What is C? Explain its structure.	4			
OR						
2.	(a)	Explain various data types available in C.	6			
	(b)	What is formatted input? Explain with example.	6			
	(c)	Explain relational and logical operator.	4			
3.	(a)	Explain the following:				
		(1) Simple if				
		(2) If else				
		(3) For loop.	12			
	(b)	Write a program to calculate area of circle.	4			
OR						
4.	(a)	Explain different looping statements in C.	8			
	(b)	Write a program to perform all arithmetic operation (switch).	8			
5.	(a)	What is array? Explain one dimensional array with example.	8			
	(b)	Explain with example:				
		(1) Strlen ()				
		(2) Strupr ().	8			
OR						
6.	(a)	Write a program to print transpose of matrix.	6			
	(b)	Explain two dimensional array with example.	6			
	(c)	What is String? How to declare and initialize string variable?	4			
7.	(a)	What is Function? Explain function with no argument and no return type (simple	:).			
			6			
	(b)	What is Structure? Explain with example.	6			
	(c)	Write a program to print factorial using recursion.	4			
OR						
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8.	(a)	Explain the concept structure within structure with example.	6
	(b)	Explain call by value and call by reference.	6
	(c)	What is Union?	4
9.	(a)	What is Pointer? How to declare and initialize pointer variable? Explain we example.	ith 8
	(b)	Explain:	
		(1) getc ()	
		(2) pute ()	
		(3) getw ()	
		(4) putw ().	4
	(c)	Write a program array of pointer.	4
		OR	
10.	(a)	What is File? How to open and close file with example?	8
	(b)	Explain:	
		(1) Pointer to Pointer	
		(2) Pointer arithmetic.	Q