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MCA - SEMESTER - I • EXAMINATION - SUMMER 2018

Su	bject	Code: 3610001 Da	te: 19-May-2018	
Su	bject	Name: Fundamentals of Programming-1		
Tiı	me: 0	2.30 pm to 5.00 pm To	tal Marks: 70	
Inst	tructio			
Q.1	1. 2. 3. (a)	Figures to the right indicate full marks. Attempt the following questions: 1) What is header file consists of? 2) What is type casting? 3) What is the return data type of scanf()? 4) What is dangling else problem? 5) Why should we use i++ rather than i=i+1? 6) Define array. 7) What is function?		07
	(b)	Which are the control structures available in C? Explain any	one with example.	07
Q.2	(a)(b)	 Break statement Vs Continue statement Prefix operators Vs Postfix operators Explain Logical operators and relational operators ava example. 	ilable in C using	04 03 07
	OR			
	(b)	Write a C program to check whether given number is prime	number or not.	07
Q.3	(a) (b)	Write a short note on storage classes available in C. Explain Call by value and Call by reference with suitable examples. OR		07 07
Q.3	(a) (b)	Explain the concept of global variable and local variable with suitable example. Write a C program to read a matrix and find out the maximum element and its position.		07 07
Q.4	(a)(b)	 Differentiate between actual parameters and formal p Differentiate between L-value and R-value Write a program to accept a string (one word) from use triangle. e.g. INDIA will display as follows 		04 03 07
		I IN IND INDI INDIA		
Q.4	(a) (b)	OR Write a C program to convert given decimal number to its bi "Functions make C programming modular" Comment on the is the difference between inbuilt function and user dined function.	his statement. What	07 07
Q.5	(a) (b)	Explain scanset conversion facility used with scanf() with pr Explain initialization of one dimensional arrays, two dimensions with example.		07 07
		OR		
Q.5	(a)	Explain following functions: (1) strcmp() (2) strcat() (3) strncat() (4) strlen()		07
	(b)	Write a program to read a string and rewrite it in alphabetica	l order.	07