

~			Date:	19/05/2018
_	e:02	T T T T T T T T T T T T T T T T T T T	Total	Marks: 70
	1. 2.	Attempt any five questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.		
Q.1	(a)	What is Recursion? Write a C program in which a 5 digit pointeger is entered through keyboard; write a function to cal the sum of digits of the 5 digit number with using recursion.		07
	<b>(b)</b>	What is pointer? Give its benefits and write a program using p and function to determine the length of string.	ointer	07
Q.2	(a)	Write a C function to exchange two numbers and use it to rean array of 10 integers accepted from user.	everse	07
	(b)	What is structure and union? How does a structure differ fro array? How is an array of structure initialized?	om an	07
Q.3	(a)	How to initialize Pointer? Explain arrays of Pointer using susample program.	iitable	07
	<b>(b)</b>	Using structure write a C program: Define a structure to contain name, branch and entry year. Real information from keyboard and print the same on screen.	ucture ad this	07
Q.4	(a)	What is Dynamic Memory Allocation? Compare: Static Me Allocation Vs. Dynamic Memory Allocation.	emory	07
	<b>(b)</b>	What is file? Briefly Explain different file management function.	ons in	07
Q.5	(a)	Explain the use of malloac and calloc function with s program.	ample	07
	<b>(b)</b>	Write a program to read a string from file and print on screen.		07
Q.6	(a)	Write a function program to find whether the string is palindro not.	me or	07
	<b>(b)</b>	Describe variable declaration in structure and accessing memberstructure.	ers of	07
Q.7	(a)	Explain use of macros and preprocessing elements programming with examples.	in C	07
	<b>(b)</b>	Explain various categories of functions with suitable example.		07
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