Code No: 132AD

7.a)b)

manipulation function.

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech I Year II Semester Examinations, May - 2019

COMPUTER PROGRAMMING IN C (Common to EEE, ECE, CSE, EIE, IT, ETM) Max. Marks: 75 Time: 3 hours Note: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. question carries 10 marks and may have a, b, c as sub questions. (25 Marks) Explain the conversion of Decimal number to Hexadecimal number with an example. [2] Differentiate between declaration and definition of a variable. 1.a) [2] b) What is a user defined function? [3] c) What is the use of type qualifier? [2] d) \_\_\_\_ e) Differentiate between \*p++ and p++. What is a pointer? Explain how the pointer variable declared and initialized. [3] [2] Explain about the structures containing pointers with an example. [3] g) Explain about self-referential structures. [2] h) What is the usage of fget() and fput() functions. i) List the positioning functions in files. i) (50 Marks) Describe different Computing Environments. [5+5] Explain about type conversion mechanism available in C language. 2.a) b) OR Write an algorithm to find the factorial of a given number. Differentiate between While and Do While with an example. Explain the different types of storage classes with an example. Write a program to search the element in the given list by using the binary search. [5+5] 4.a) b) Write a program to sort the elements by using bubble sort. b) What is recursion? Explain the limitations of recursion. 5.a) ,300 G 6.a) Write a program to find the length of the given string. [5+5] Explain the memory allocation functions with an example. b) OR Explain the concept of pointers to pointers with an example. Write a 'C' program to append a string to the end of other string by using string

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		b) Explain ab	out bit fields with		-		[5+5]	
	37	b) Explain the	Command line	ariable passed as arguments with a and binary files wend the contents	ith an example.		[5+5]	years Saint
		11.a) Write a 'C	' program to cou	int number of wor	ds and lines in t	he given text file	. [5+5]	Same "
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