[5+5]

Code No: 121AF

7.a)

b)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B.Tech I Year Examinations, August/September - 2017

	COMPUTER PROGRAMMING	
(Com	nmon to CE, EEE, ME, ECE, CSE, EIE, IT, MCT, ETM, MMT, AE, AME CEE, MSNT)	, MIE, PTE
Time		Marks: 75
		Marks: 75
Note:	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions Part B consists of 5 Units. Answer any one full question from each question carries 10 marks and may have a, b, c as sub questions. PART- A	
		(25 Marks)
1.a) b) c) d) e) f)	What are the problems associated with 'goto' statement? Give the syntax of conditional operator and explain using an example? What is difference between formal argument and an actual argument? What are the facilities provided by preprocessors? How is a string stored in "C" language? What are the advantages of using array of pointers to strings instead of strings? Distinguish between a union and a structure in "C" language. Explain command-line arguments in "C" language. What is the difference between an array and a linked list? Write C program for linear search.	[2] [3] [2] [3] [2] an array of [3] [2] [3] [2] [3]
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	PART-B	
		(50 Marks)
2.a) b) 3.a) b)	Demonstrate relational, logical and bitwise operations in "C" language using a Give the syntax of switch statement in "C" language and explain. OR Give the precedence and associativity rules in "C" language. Write a program that converts a decimal number to an octal number.	[5+5]
4.	What do you mean by the scope of a variable? Give the rules of scoping in "and demonstrate with examples. OR	C" language [10]
5.	Explain how the following can be accomplished in "C" language with exampl a) Passing arrays to functions. b) Returning array from a function.	es: [5+5]
6.a) b)	Write a program to do cyclic swapping of three numbers using pointers. Demonstrate with an example how to pass string to a function.	[7+3]

Give an overview of pointer arithmetic in "C" language.

Demonstrate standard string functions in "C" language with examples.

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3 R	a) Structur b) Structur c) Accessi d) Passing 9.a) Give the li b) Give an ov	e following: e definition re declaration ng members of a structures to fund st of various mod verview of enume	OR des for opening a crated data type in	1 C language.		[10] [5+5]	
8R	b) Write a pr	ogram to demons	trate operations (OR	on a stack.	g an example. not using a stack.	[5+5] [5+5]	
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