Code No: 111AF

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech I Year Examinations, October/November - 2016 **COMPUTER PROGRAMMING**

	(Common to all Branches)		
Time: 3hours		Max.Marks:75	
Note:	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer a Part B consists of 5 Units. Answer any one full question question carries 10 marks and may have a, b, c as sub quest	from each unit. Each	äR
1.a) b) c) d)	What is meant by assembly language? Give example. Differentiate between pre test and post test loops. What are the limitations of recursion? List any three applications of arrays.	(25 Marks) [2] [3] [2] [3]	SR
e) g) h) i) j)	Give the syntax of calloc function. What is the use of atoi function? What is the functionality of ungetc function? Give an example for self-referential structure. Define data structure. List the operations on enqueue and dequeue.	[2] [3] [2] [3] [2] [3]	3R
**************************************	PART-B	(50 Marks)	**************************************
2.a) b)	What is an algorithm? Give an example. Explain 'while' statement along with an example. OR	[5+5]	
3.a) b) c)	What is the need of type conversion? Discuss type casting List the demerits of go to statement. Why is switch statement known as multi way selection?	[3+3+4]	299 A 2003 A 200
4.a) b) 5.a) b)	Describe parameter passing techniques to functions. With suitable examples explain storage classes. OR Write a program to multiply two matrices. How to initialize multi dimensional arrays? Give examples.	[5+5] [5+5]	SK
6.a) b) 7.a)	Discuss the programming applications of pointers. Explain the role of pointers in inter function communication OR OR Write a program to count number of occurrences of chara display the count.	****	
b)	Briefly discuss string compare functions.	[5+5]	

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	9.a) b)	Write a program to merge two given files and store in a target file. How to handle errors in file management?				[5+5]	
SANA SANA SANA SANA SANA SANA SANA SANA	10.a)	Write an algorithm for binary search technique. Explain the concept of selection sort using a suitable example. OR				[[5]+ \$]	CARC SARA
	11.a) b)	Discuss the role of structures in singly linked list implementation. Write a program to implement stack using arrays.			[5+5]		
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