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	Code No: 131AD JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY H B. Tech I Year I Semester Examinations, December 201 COMPUTER PROGRAMMING IN C (Common to CE, ME, MCT, MMT, MIE, CEE, MSNT) Time: 3 hours) · · · .	
		Max. Marks: 75	.···.
	Note: This question paper contains two parts A and B: Part A is compulsory which carries 25 marks. Answer all que Part B consists of 5 Units. Answer any one full question from question carries 10 marks and may have a, b, c as sub questions.	estions in Part A. each unit. Each	\$***
	PART-A	(25 Marks)	
	1.a) Define the term algorithm and how it is different from a flow chart.b) Distinguish between if and switch statements.	[2] [3]	
	c)Explain auto and register storage classes. d):What is meant by type qualifier 2::	[3] [2] [3]	7 + H 6 8 4 4 6 8 4 1 8 8 7
	 e) What is meant by array of pointers? When it will be useful? f) Distinguish between string and character. g) Explain how to define a union. 	[2] [3] [2]	
; .***·	h) Explain the concept of enumerated type.	[3]	* **
	Discuss about rewind function?	[2]	
•	PART-B	(50 Marks)	
, National Control of the Control of		(50 Marks)	
7,,,,	Write a C program to find Eactorial of a given number N. by using do-while loop.	while loop and [10]	X
	OR 3. What are the C operators? Explain their usage with suitable examples to	each of them.	
****	 4.a) Distinguish between iteration and recursion. b) What is meant by user defined functions? Explain with an example C Proposition of the control of		
	5.a) Explain the binary search method. b) Perform bubble sort of the following numbers: 20, 5, 30, 10, 65, 3, 90	[5+5]	
	6.a) What are the advantages and drawbacks of pointers? b) With a sample C program and explain about passing an array to a function OR	on. [5+5]	* * * * * * * * * * * * * * * * * * *
	7. What are the string manipulation functions? Explain their usage.	[10]	
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	8. Explain 9.a) Discuss b) Explain	[10] [5+5]	****				
	to anoth	er text file.		or program to or about file position	ning functions?	s of one text file [10] [10]	
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