## Code No: 131AD

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech I Vear I Semester Examinations, December - 2016

	B.Tech I Year I Semester Examinations, December - 2016  COMPUTER PROGRAMMING IN C  (Common to CE, ME, MCT, MMT, MIE, CEE, MSNT)						
	Time: 3 hours	. 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.	in Part A. unit. Each					
	SR SR SR PART-ASR	(25 Marks)					
	1.a) Define the term algorithm and how it is different from a flow chart.	[2]					
	<ul> <li>b) Distinguish between if and switch statements.</li> <li>c) Explain auto and register storage classes.</li> <li>d) What is meant by type qualifier?</li> <li>e) What is meant by array of pointers? When it will be useful?</li> <li>f) Distinguish between string and character.</li> </ul>	[3] [2] [2] [3]					
	<ul> <li>f) Distinguish between string and character.</li> <li>g) Explain how to define a union.</li> <li>h) Explain the concept of enumerated type.</li> <li>i) What is meant by a text file?</li> <li>j) Discuss about rewind function?</li> </ul>	[2] [3] [2] [2] [3]	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				
	PART-B						
		(50 Marks)					
98	2. Write a C program to find factorial of a given number N by using 'whi 'do-while' loop.	le. loop and [10]	247				
	OR	(					
	3. What are the C operators? Explain their usage with suitable examples to each	- [10]					
	4.a) Distinguish between iteration and recursion.  b) What is meant by user defined functions? Explain with an example C Program  OR	n;;;;;[5+5]					
<i>A</i>	<ul> <li>5.a) Explain the binary search method.</li> <li>b) Perform bubble sort of the following numbers:</li> <li>20, 5, 30, 10, 65, 3, 90</li> </ul>	[5+5]	Sec. 1				
	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.	[5+5]					
8	OR 7. What are the string manipulation functions? Explain their usage.	[10]					

R.	9.a) Discu	in about self references the significance in about nested st	e of preprocesso	OR L.J.	program.	[10] [5+5]	SR
	to and	is meant by state other text file.		OR SE	copy the contents	of one text file [10] [10]	j B F
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