88	8R 8R 8R 8R 8R <u>8</u> K	성
	Code No: 132AD	
	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech I Year II Semester Examinations, April - 2018	
	COMPUTER PROGRAMMING IN C	
8 R	Time: 3 hours (Common to EEE, ECE, CSE, EIE, IT, ETM) Max. Marks: 75	8
	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. Each question carries 10 marks and may have a, b, c as sub questions.	
88	SR SRASR SR (25 Marks)	8
	1.a) What are flowchart symbols? Explain. [2] b) Explain the syntax of case statement with example. [3]	
	c) What are limitations of recursion? [2]	
$Q \square$	e) Give an example for pointers to pointers.	
QM	f) What are string functions? Explain.	No.
	(h) What is self referential structure? Explain. [3]	
	i) Write the concept of a file. [2] j) Explain about file status functions. [3]	
8R	8R 8R 8R 8R 8R (50 Marks)	8
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	 2.a) Write a C program to generate Fibonacci series. b) What are operators in C? Explain with example. OR 	
88	3.a) Explain about decision making and branching. b) Describe the structure of a C program.	
	4.a) Write a C program for Bubble sort. What are storage classes? Explain with examples. [5+5]	
	OR	
	5.a) What is recursion? Write a C program for factorial of n using recursion. b) Write a C program for addition of two matrices. [5+5]	promise.
2D	- 101) - 91/ - 81/ - 81/ - 81/ - 81/	
	6.a) Write a C program to count the number of vowels, consonants, digits and white-spaces in a string which is entered by the user.	
	b) Explain about pointer arithmetic and arrays with example. OR	3.
	7.a) Write a C program to sort the 10 strings (entered by the user) in lexicographical order	
	(dictionary order). b) Explain about arrays of pointers with example.	<u> </u>
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	with the us	se of functions.	takes two com	plex numbers a	s structures and	adds them [5+5]	
8 R	9.a) Explain ab	oout pre-processo bout unions and f	OR or commands.	8R	8R		8
	function.			from one file to	another file us	ing fseek()	
8R,	11.a) Write a C functions.	program read a	the binary file fr OR Ind write the continuous functions	ntent of the file i	using fprintf() a		8
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