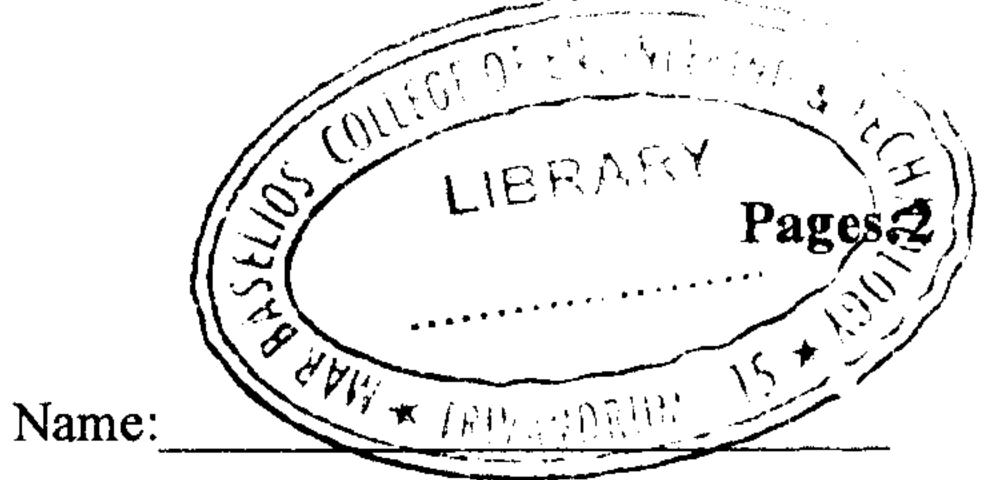
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Reg No.:

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

THIRD SEMESTER B.TECH DEGREE EXAMINATION(R&S), DECEMBER 2019

Course Code: EE207

Course Name: COMPUTER PROGRAMMING

		Course Name: COMPUTER PROGRAMMING	.				
Ma	x. M	[arks: 100 DADT A	Hours				
1		PART A Answer all questions, each carries 5 marks. Write an algorithm for printing all odd numbers between 10 and 50.	Marks (5)				
2		With the help of an example, explain the use of continue statement.	(5)				
3		Write a C program to find the median of n integers stored in an array					
4		Using an example, explain the concept of recursion.	(5)				
5		Using pointers, write a C program to arrange the letters of a word in alphabetic order.	(5)				
6		What are unions? How are they different from structures?	(5)				
7		Write a C program to append the contents of one file to another file.	(5)				
8		Write a Python program to check if the given string is a palindrome or not.	(5)				
9	a)	PART B Answer any two full questions, each carries 10 marks. What are pre-processor directives? Give examples.	(4)				
	b)	Draw a flow chart to determine sum of digits of an integer.	(6)				
10	a)	Differentiate between relational and logical operators in C	(4)				
1 1	b)	Write a C program to find the age of a person in years, months and days if his date of birth is entered.	(6)				
11	a)	What is the purpose of go to statement? Give an example.	(4)				
	b)	Write a program to compute the sum of the series $1+x^2+x^3+x^4++x^n$	(6)				
PART C							
12	a)	Answer any two full questions, each carries 10 marks. What are arrays? How are they advantageous when compared with normal variables?	(4)				
	b)	Write a C program to find the product of two matrices.	(6)				
13		Write a C program to count the number of words, vowels and consonants in a sentence entered by the user.	. العسر من				
	b)	Using a function write a C program to find the binary equivalent of an integer.	(5)				
14	a)	Describe the various storage classes in C.	(4)				
	b)	Write a C program to find the largest element of each row of an $m \times n$ matrix and place it in the 1 st column of the corresponding row. Use function.	(6)				

PART D

The state of the s	Answer any two fi	full questions, each	carries 10 marks.
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- a) What is chain of pointers? Illustrate using an example.
 b) Define a structure Employee with employee number, name and experience as members. Write a C program to print a list of all employees (from amongst 100)
- employees) having more than 3 years of experience.

 Write a C program using pointers to find the difference of two matrices A and (5)

 B.
 - b) A file contains students' records with roll number, name and mark. Write a (5) program to read the contents of the file and display them.
- 17 a) Differentiate between fscanf() and scanf() functions (2)
 - b) Describe the fopen(), fclose(), fseek() and ftell() functions (4)
 - c) Write a Python program using function to search for an element in an array. (4)

