Code No.: CS103ES

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H.T.No.

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CMR ENGINEERING COLLEGE: : HYDERABAD UGC AUTONOMOUS

I-B.TECH-I-Semester End Examinations (Supply) - January- 2022 PROGRAMMING FOR PROBLEM SOLVING (Common to CSC, CSD, CSE, CSM, ECE, IT, MECH)

[Time: 3 Hours]		[Max. Marks: 70]	
Note	e: This question paper contains two parts A and B.		
	Part A is compulsory which carries 20 marks. Answer all questions	in Part A.	
	Part B consists of 5 Units. Answer any one full question from ea	ach unit. Each question	
	carries 10 marks and may have a, b, c as sub questions.		
	PART-A	(20 Marks)	
1 0	Differentiate application software and operating system software?	[2M]	
1. a		[2M]	
c		[2M]	
ď		[2M]	
e		[2M]	
f		[2M]	
g		[2M]	
h		[2M]	
i		[2M]	
j		[2M]	
	DART D	(50 M - d-)	
2	PART-B	(50 Marks) [5M]	
2	a) Write a command line argument program to add two numbers?b) Write about iterative statements in C?	[5M]	
	OR COLLEGE COLLEGE	THOM?	
3	. Explain Bitwise operators with example?	[10M]	
4	. Explain pointers in C with an example program?	[10M]	
	OR		
5	. Write a program to transpose the matrix using array?	[10M]	
6	. Write a program to copy data of one file to other file?	[10M]	
	OR		
7			
	a) fseek()	[3M]	
	b) ftell()	[3M]	
	c) rewind()	[4M]	
8	. Explain call-by -reference with an example program?	[10M]	
0	OR	[TOW]	
9		recursion? [10M]	
	program to this factorial of hamber doing room and without t	[1011]	
10	. Explain Binary search with an example program?	[10M]	
	OR		
11		[10M]	
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