

14/08_CP_FE_Sem II (R-19)_PART B

KCCEMSR SLOT 6

Any files that are uploaded will be shared outside of the organization they belong to.

*** Required**

1. Email *

2. Q1

	Solve any three out of five	5 marks each
A	What do you mean by recursion? Write a program that will add first n natural numbers using recursion.	
B	Write a program to print the following pattern 1 10 101 1010 10101	
C	Discuss what is the need of the break statement in the switch case? Write a program to read weekday number (Sunday-1, Monday-2...) and print weekday name using switch	
D	Explain different primitive data types in C. What is the difference between declaring a variable and initializing/defining a variable?	
E	Write a program for the following problem statement using nested structure: A company needs to maintain data about its employees. Details to be maintained are Employee name, Department, Date of joining and Salary. (Note: use structure for a date like 14 August 2021).	

Files submitted:

3. Q2

	Solve any three out of five	5 marks each
A	Describe any two library functions of string.h file with example.	
B	Write an algorithm and draw a flowchart whether the entered number is an Armstrong or not	
C	Compare structure and union.	
D	Write a program in to accept an array A with n elements and separate different arrays B and C in such a way that B contains odd numbers and C contains even numbers, i.e. if array A contains A- {3, 2, 4, 2, 5, 7, 8} then B- {3, 5, 7} and C- {2,4,2,8}	
E	Write a program that should give output as follows: 10 & 15 = 10 10 15 = 15 10 ^ 15 = 5 ~10 = -11 10 << 2 = 40 10 >> 2 = 2	

Files submitted:

4. Have you uploaded the required correct files *

Mark only one oval.☐ Yes

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University of Mumbai

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