

IMCA 1st Semester Examination-2020

Subject-PUC

Paper- 1.3

Duration -2hrs

Full Mark-70

Answer all questions.

1. Write short notes on conditional operator with an example? Name different bitwise operators. Write a program to swap two variables using bitwise operator. [6+2+6]

OR

What are different control statements used in C? Write a program illustrating nested switch. Give an example of sentinel control loop block. [5+5+4]

2. Write short notes on array. Write a program to implement Set Union operation. [4+10]

OR

Write the syntax of string comparison and string copy function. Write a program to print to sort n no. of lines. [2+12]

3. Write short notes on recursion. Using recursion write a program to check prime number between 1-N. [6+8]

OR

Write short notes on Function. Write a program to print return 7th number of the Fibonacci Series using function. [6+8]

4. What is generic pointer? Give example of pointer operations. Write a program illustrate dynamic memory allocation. [2+6+6]

OR

What is the difference between Macro and Function? Write a program to illustrate argument passing in macro. [6+8]

5. Define structure. Write the syntax of nested structure. Give an example of structure array passing in function. [2+2+10]

OR

Define FILE. Write a program to write STUDENT records in a file. Display the records of the student's who read in IMCA. [2+12]