

Total No. of Questions : 12]

SEAT No. :

P2923

[Total No. of Pages : 2

[5463] - 101

F.Y.M.C.A. (Engg.) (Semester - I)

C AND C++ PROGRAMMING

(2013 Pattern)

Time :3 Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) Neat diagrams must be drawn wherever necessary.
- 2) Figures to the right side indicate full marks.
- 3) Assume Suitable data if necessary.

Q1) a) Write down the application of C language. [4]

b) Write down the steps for running a C program without IDE. [4]

OR

Q2) a) What are header files? Explain the use and function of any one header file. [4]

b) Enlist the advantages of C language over assembly language. [4]

Q3) a) What is the difference between structure and unions in C? [4]

b) Write a program to find minimum number from an integer array. [4]

OR

Q4) a) What is the use of & and * operator in C with respect to pointers? [4]

b) Explain switch statement with example. [4]

Q5) a) State the reason why swap function with call by value does not work for swapping. [5]

b) What is the use of preprocessor? [4]

OR

Q6) a) What is the difference between macro and functions in C? [5]

b) Write a C program to find the factorial of a number using recursion function. [4]

P.T.O.

Q7) a) Write a short note on copy constructor? **[4]**

b) Explain various methods to protect data in C++. **[4]**

OR

Q8) a) What is the difference between object oriented programming and procedure oriented programming? **[4]**

b) Explain try-catch block in C++ **[4]**

Q9) a) What is the difference between static function and member function in C++ **[4]**

b) Write a program to overload + operator to concatenate two string. **[4]**

OR

Q10) a) What is friend function. **[4]**

b) Explain the problem of ambiguity with suitable example. **[4]**

Q11) a) Explain Command Line argument in C++. **[5]**

b) Short notes on seekg(). **[4]**

OR

Q12) a) Explain ostream class hierarchy. **[5]**

b) Short notes on 'Reading Text Files in C++'. **[4]**

