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Total No. of Questions : 09

B.Tech. (Software Engineering) (Sem.-1)

PROGRAMMING FOR ENGINEERS-I

Subject Code : SE-1110

M.Code : 77251

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C. have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying EIGHT marks each.
4. Select atleast TWO questions from SECTION - B & C.

SECTION-A

1) Write briefly :

- What is the syntax of nested If statement?
- What is a conditional operator in C++?
- What is a case statement?
- What is arithmetic operator?
- Differentiate between compiler & interpreter.
- What is a function?
- How many byte are required for Int a[20] statement?
- What is an algorithm?
- How structure is represented?
- What is a conditional statement?

SECTION-B

- 2) Write a program to find the difference of two matrix.
- 3) Draw flow chart to find the largest and smallest of four numbers.
- 4) Write a program to sort a given list of numbers in ascending order.
- 5) Write short notes on the following :
 - a) Break and continue
 - b) Passing value between functions.

SECTION-C

- 6) Explain the following terms of C++ language with examples.
 - a) Static variables
 - b) External variables
 - c) Automatic variables
- 7) Write a Recursive function for determining the factorial of a given number.
- 8) Write the syntax with two different examples each for :
 - a) Case and
 - b) For loop.
- 9) Write a "C" program to find out a solution for given quadratic equation.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.