

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (Software Engg) (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) Answer briefly :

- What is the syntax of If statement
- What are Local and global variables?
- What is a conditional operator in C++
- What is a scope of any variable
- What is the structure of a C++ program
- What are the logical operators available in C++
- What is a size of Int variable
- What is format specifier.
- How structure is represented.
- What is a looping statement

SECTION-B

- 2) What are the various Control Structures available in C++? Explain with example.
- 3) What are the steps in the design of a program? What is an algorithm?
- 4) What are the various types of input statements available in C++ language?
- 5) Explain the syntax of following in C++ using example :
 - a) Do-while statement
 - b) Switch statement

SECTION-C

- 6) Write a program to find the addition of two matrixes.
- 7) Write a program to find smallest of three numbers.
- 8) A student record consists of the register number (five digit number), name (max. 30 character length), marks in three subjects (max. 100 marks in each subject). Write a C++ program to process such records for results. Write the assumptions you have made for passing, second class and first class.
- 9) Write a program to find factorial of a given number.

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.