Roll No. ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚ **Total No. of Pages : 2**

Total No. of Questions : 07

B.Sc. (IT) (Sem.–3rd)
PROGRAMMING IN C++
Subject Code : BS-205
Paper ID : [B0411]

Time : 3 Hrs.   **Max. Marks : 60**

INSTRUCTION TO CANDIDATES :
 1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
 2. **SECTION-B contains SIX questions carrying TEN marks each and students has to attempt any FOUR questions.**

SECTION-A

l. **Write briefly :**

 (a) What is Pointer Arithmetic?

 (b) What are Arrays?

 (c) What are Inline Member Functions?

 (d) What is a Friend Function?

 (e) What is the main advantage of recursion?

 (f) What is Multiple Inheritance?

 (g) What is Function Overloading?

 (h) What is Early Binding?

 (i) What are the types of files supported by C++ ?

 (j) Name the various binary file operations.

SECTION-B

2. Explain the following types of functions in detail:

   (i) Local or private functions

   (ii) Member functions

   (iii) Friend functions

   (iv) In-line functions

   (v) Constructor functions.

3. Write a program to find the day of the week using simple if and switch statements.

4. What is the role of file pointer in a C++ program?

5. Define a class "ACCOUNT". Include following members :
   Data Members: Name of Depositor, Account No., Type of Account, Balance Amount.

   Member Function: To assign initial values, deposit amount, withdraw after checking balance, To display name and balance. Write main Program to test the program for 10 customers.

6. What is function overloading? Write a program in C++ which has a Function add that is able to concatenate two strings, if values passed are strings and can perform addition, if values are numbers.

7. What is a constructor? What are the rules for defining a constructor?