

S.D.E.
M.B.A. (I.T.) Sem-III (2013 Course) : WINTER - 2018
SUBJECT: PROGRAMMING WITH C++

Day: Thursday
Date: 06/12/2018

W-2018-4693

Time: 10.00 AM TO 1.00 PM
Max. Marks: 70

N.B:

- 1) Attempt **ANY FOUR** questions from Section-I and **ANY TWO** questions from Section-II.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answer to both the sections should be written in the **SEPARATE** answer book.
-

SECTION-I

- Q.1** What are structures? Explain features of structure with appropriate example. (10)
- Q.2** Explain operator overloading with appropriate example. (10)
- Q.3** Differentiate between the following: (10)
- a) Constructor Vs Destructor
 - b) Pointers Vs References
- Q.4** Explain the advantages of virtual function and static functions. (10)
- Q.5** Write short notes on **ANY TWO** of the following: (10)
- a) Templates
 - b) File handling
 - c) Static function

SECTION-II

- Q.6** a) Write a function names **PRIME** that returns 1 if its argument is a prime number and returns zero otherwise. (07)
- b) Design a structure names **DISTANCE** to store length in yards, feets and inches. Using this structure, write a C++ program that accepts two measurements from the user as represented by these structures and prints the absolute difference between these measurements. (08)
- Q.7** Write C++ program to illustrate the concept of operator overloading using the plus (+) operator with same function name. (15)
- Q.8** Write a program to illustrate the concept of multiple inheritance. (15)

* * * * *
