

S.D.E.

**M.B.A. (IT) SEM – II (2010 COURSE) (3 YEAR COURSE) :
SUMMER - 2018**

SUBJECT : PROGRAMMING WITH C++

Day : **Wednesday**
Date : **30/05/2018**

Time : **02.00 P.M. TO 05.00 P.M.**
Max. Marks : 70.

S-2018-4538

N.B.:

- 1) Attempt any **FOUR** questions from Section-I and any **TWO** questions from Section-II.
- 2) Answers to both the sections should be written in the **SEPARATE** answer books
- 3) Figures to the **RIGHT** indicate full marks.

SECTION-I

- Q.1** Explain the characteristics of object-oriented programming. (10)
- Q.2** Explain 'inline function', 'manipulators' and 'references' in C++. (10)
- Q.3** Why constructors are required? Explain different types of constructors with example. (10)
- Q.4** Explain the types of inheritances supported by C++. Give example of each. (10)
- Q.5** What is 'Friend Function'? Explain its implementation methods. (10)
- Q.6** Explain the concept of 'Virtual function' and 'pure virtual function' with suitable example. (10)

SECTION-II

- Q.7** Write a program in C++ for or overloading '+' operator and use it for string type. (15)
- Q.8** Write a program in C++ to print prime number from 2 to 100. (15)
- Q.9** Write a program to implement string functions to (15)
- a) Copy string
 - b) Reverse string
 - c) Concatenate strings.

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