

S.D.E.
M.B.A. (I.T.) Sem-III (2013 Course) : SUMMER - 2019
SUBJECT : PROGRAMMING WITH C ++

Day : Wednesday Time : 10.00 AM TO 1.00 PM
Date : 15/05/2019 S-2019-5161 Max. Marks : 70

N. B. :

- 1) Attempt **ANY FOUR** questions from Section – I and attempt **ANY TWO** questions from Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SAME** answer books.

SECTION – I

- Q. 1** State and explain characteristics of object oriented languages. (10)
- Q. 2** State the types of parameter passing in C++ and describe each with example. (10)
- Q. 3** What is Abstract Data Type (ADT)? Explain how Class concept supports it. (10)
- Q. 4** What is need of inheritance? Explain types of inheritance supported by C++. (10)
- Q. 5** Write short notes on **ANY TWO** of the following: (10)
- a) Copy constructor
 - b) Inline function
 - c) Structures v/s Union

SECTION – II

- Q. 6** Design a class to represent a book with attributes as book ID, title of a book, author's name, publisher and price. Write necessary constructors and methods. Use this class to create five objects and print details of each book. (15)
- Q. 7** Write a class 'Box' with only one attribute named 'val' of double type, write necessary constructors and methods, also overload operators '+', '-', '++', and '--' to demonstrate how operator overloading works. (15)
- Q. 8** What do you know about exception handling? Illustrate it with example. (15)

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