

**S.D.E.**  
**M.C.A. SEM - IV : WINTER - 2017**  
**SUBJECT : ELECTIVE – II: PROGRAMMING WITH STL**

Day : **Friday**  
Date : **22/12/2017**

Time : **02.00 P.M. TO 05.00 P.M.**  
Max. Marks : 80

**W-2017-4432**

**N.B.:**

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

**SECTION – I**

- Q.1** What do you know about template function? How it is different from regular function? **[10]**
- Q.2** What is iterator? List types of it and describe any one in detail. **[10]**
- Q.3** Explain the multiset with example. **[10]**
- Q.4** What is use of namespaces? Explain. **[10]**
- Q.5** What do you know about Adapter? Explain any one adapter. **[10]**
- Q.6** Explain mutating sequence algorithm with example. **[10]**
- Q.7** Write short notes on **ANY TWO** of the following: **[10]**
- a) Static cast
  - b) Binders and negators
  - c) find and find\_if algorithm

**SECTION – II**

- Q.8** Illustrate exception handling with example. Comment how it is useful to recover from error. **[15]**
- Q.9** Write a program to maintain the list of integer numbers and also implement method to get sum of them which are divisibly by both 3 and 7. **[15]**
- Q.10** Design a class to maintain database of books with attributes such as ISBN, title, author and publisher of book using map. Also provide functionality to search a book by title. **[15]**

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