

S.D.E.
M.C.A. Sem - IV : SUMMER - 2019
SUBJECT : ELECTIVE – II: PROGRAMMING WITH STL

Day : Thursday
Date : 16/05/2019

S-2019-5270

Time : 02.00 PM TO 05.00 PM
Max. Marks : 80

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 *SAME* answer books.
 - 3) Figures to the right indicate **FULL** marks.
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SECTION – I

- Q.1** Briefly describe the forward and reverse iterators. [10]
- Q.2** What do you know about adapter? Explain any one adapter. [10]
- Q.3** List sequence containers in STL. Explain any one of them which uses front insertion mechanism. [10]
- Q.4** What is iterator? List and briefly describe types of it. [10]
- Q.5** Explain Associative container with example. [10]
- Q.6** Explain when to use template class with example. [10]
- Q.7** Write short notes on **ANY TWO** of the following: [10]
- a) Binders and negators
 - b) Locale
 - c) for_each algorithm

SECTION – II

- Q.8** Write a STL program to store book data such as ISBN, author, Title, Publisher and price; to store this make use of map container. [15]
- Q.9** What is need of exception handling? Illustrate your answer with example. [15]
- Q.10** Design an application using suitable container to store integers and find the sum of prime numbers among them. To find sum implement your own algorithm find_sum. [15]

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