

S.D.E.

M.C.A. Sem - V : SUMMER - 2019

SUBJECT : I.T. ELECTIVE – III: a) DESIGN OF LANGUAGE PROCESSORS

Day : Saturday
Date : 04/05/2019

S-2019-5277

Time : 10.00 AM TO 1.00 PM
Max. Marks : 80

N.B.:

- 1) Attempt **ANY FIVE** questions from Section – I and attempt **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** What is the difference between LL and LR Grammar? [10]
- Q.2** Write a note on ‘code optimization phase’ in compilation. [10]
- Q.3** Explain in brief assembly language and assembler. [10]
- Q.4** Discuss various schemes of loader. [10]
- Q.5** Differentiate between compiled and interpreted languages. [10]
- Q.6** Explain basic functions of loader. [10]
- Q.7** Write short notes on **ANY TWO** of the following: [10]
- a) Polish Expression
 - b) Op-code table
 - c) Partial compilation

SECTION – II

- Q.8** Explain role of semantic analysis and code generation in compilation process. [15]
- Q.9** Differentiate and explain organization of structured and non-structured languages in detail. [15]
- Q.10** Write a note on types of editors. [15]

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