

Subject : I.T. Elective-III a) Design of Language Processors

Day : Friday
Date : 09/12/2016



Time : 10.00 A.M. TO 1.00 P.M.
Max Marks : 80 Total Pages : 1

N.B.

- 1) Attempt any **FIVE** questions from Section – I
 - 2) Attempt any **TWO** questions from Section – II.
 - 3) Figures to the right indicate **FULL** marks.
 - 4) Answer to both the sections should be written in the **SAME** answer book.
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SECTION – I

- Q.1** Discuss Context Free Grammar in detail. (10)
- Q.2** What is Bottom-up Parsing? (10)
- Q.3** Explain following terms in brief: (10)
a) Absolute Loader
b) Relocated Loader
- Q.4** Discuss work distribution in the passes of 2 Pass Assembler. (10)
- Q.5** How Symbol Table is organized for Structured Languages? (10)
- Q.6** Explain Run-time Storage Administration in detail. (10)
- Q.7** Write short notes on the following (**ATTEMPT ANY TWO**): (10)
a) Interpretive Languages
b) Semantic Analysis
c) BSS Loader

SECTION – II

- Q.8** What is Linking? Discuss various schemes of Linking in detail. (15)
- Q.9** What is an Editor? Compare and differentiate between Stream and Structure Editors. (15)
- Q.10** Explain the concept of Code Optimization along with appropriate examples. (15)

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