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

Day : Monday   **S.D.E.** ‖‖‖‖‖‖‖‖‖‖   Time : 10.00 A.M. TO 1.00 P.M.
Date : 06/06/2016   30413   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.

SECTION – I

Q.1	Discuss Non Deterministic Finite State Automata (Non-DFA) in detail.	**(10)**
Q.2	What is LL Grammar?	**(10)**
Q.3	Explain the concept of Static Linking in detail.	**(10)**
Q.4	Discuss the design of 2 Pass Assembler in detail.	**(10)**
Q.5	What is a Symbol Table?	**(10)**
Q.6	What is a Debugger? Discuss its functionality in detail.	**(10)**

Q.7   Write short notes on the following (**ATTEMPT ANY TWO**):   **(10)**
  a)   UNIX System V
  b)   Op-Code Table
  c)   Dynamic Storage Allocation

SECTION – II

Q.8	Discuss the classification of grammars in detail.	**(15)**

Q.9   Explain following types of editors in brief: **(15)**
  a)   Line Editor
  b)   Windows Editor
  c)   Screen Editor

Q.10	What is Code Optimization and how it is applied to iterative loops?	**(15)**

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