B.TECH. SEM -VII INFO. TECH. 2014 COURSE (CBCS) :
SUMMER - 2018
SUBJECT : COMPILER CONSTRUCTION AND DESIGN

Day : **Monday** **S-2018-2507** Time : **02.30 PM TO 05.30 PM**
Date : **21/05/2018** Max. Marks : 60

N. B. :

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Assume suitable data if necessary.

Q. 1 Write the steps of lexical analysis. **(10)**

OR

Write a short note on 'Language Processor'. **(10)**

Q. 2 Compare SLR parser, LALR parser and canonical parser. **(10)**

OR

With block schematic explain working of LR parser. **(10)**

Q. 3 Write a short note on Top down translation. **(10)**

OR

Briefly explain 'Bottom-up evaluation of S-attributes definition'. **(10)**

Q. 4 With suitable example explain concept and types of parameter passing. **(10)**

OR

Explain 'Backpatching' with suitable example. **(10)**

Q. 5 What are the methods of loop optimization? **(10)**

OR

Explain with example 'Iterative data flow analysis'. **(10)**

Q. 6 Describe code optimization techniques with example. **(10)**

OR

Assuming suitable example build control flow graph. **(10)**

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