SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE – 35

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (UG & PG)

Third Year Computer Science and Engineering, 5th Semester
Puzzle Question and Answer

Subject Code & Name: 19CSB301&Automata Theory and Compiler Design
UNIT – I

1. I read the characters in the program and groups them into tokens that are sequences of characters having a collective meaning. Who am I?

   Lexical analysis

2. I check the source program for semantic errors and gathers type of information for the subsequent phase. Who am I?

   Semantic analysis

3. I am a sequence of character that can be treated as a single logical entity. Who am I?

   Token

4. I am a program taking as input a string x and answers "yes" if x is a sentence of the language and "no" otherwise. Can you Guess me?

   Recognizer

5. I am a program taking as input a string 'w' and produces as output either a parse tree for'w', if 'w' is a sentence of G, or an error message indicating that w is not a sentence of G. Can you find me?

   Parser

6. The syntax of programming language constructs can be described by me.Can you find me?

   Content Free Grammar

7. I am the process of factoring out of common prefixes of alternates. Who am I?

   Left factoring

8. I am a parser using a set of recursive procedures to recognize my input with no backtracking is called a recursive-descent parser. Can you guess me?

Recursive-descent parser

9. I specifies the translation of a construct in terms of   Attributes associated with its syntactic components. Who am I?

Syntax-directed translation

10. I take as input an intermediate representation of the source program and output producing as equivalent target object programs. Can you find me?

Code generator