Assignment Questions – Compiler Design

Unit-III   (SYNTAX ANALYSIS)

1. What is **Syntax Analysis**?

2. Explain **Syntax Analyzer** & its working.

3. Explain **Parsing** & its type (top-down & Bottom-up).

4. Explain the **Role of Parser**.

5. What is **Left Recursion** & **Left Factoring**?

6. Explain **Shift Reduce Parsing** & **Operator Precedence Parsing**.

7. Explain the sets **FIRST- FOLLOW- LEADING- TRAILING** with Example.

8. What is **Predictive Parsing** & **Recursive Descent Parsing**?

9. Explain **LR** Parsing, **LALR** Parsing, **SLR** Parsing.

10. What are the **Error Recovery Strategies**?