### 44 Lecture - CS402

### **Important Mcqs**

- 1. Which of the following is NOT a parsing technique?
  - a) Top-down parsing
  - b) Bottom-up parsing
  - c) Recursive descent parsing
  - d) Infix parsing

Answer: d) Infix parsing

## Which parsing technique starts at the root of the parse tree and works downwards towards the leaves?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing
- d) LR parsing

Answer: a) Top-down parsing

### Which parsing technique starts at the leaves of the parse tree and works upwards towards the root?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing
- d) SLR parsing

Answer: b) Bottom-up parsing

# Which parsing technique uses a stack to keep track of the symbols in the input and the rules of the grammar?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing
- d) LALR parsing

Answer: b) Bottom-up parsing

### Which parsing technique is most commonly used in compilers and language processing tools?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing
- d) LR parsing

Answer: d) LR parsing

#### Which parsing technique can handle left-recursive grammars?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing

d) Earley parsing

#### Answer: d) Earley parsing

## Which parsing technique is a type of top-down parsing that uses a predictive parsing table?

- a) LL parsing
- b) SLR parsing
- c) LALR parsing
- d) LR parsing

Answer: a) LL parsing

# Which parsing technique is a type of bottom-up parsing that uses a canonical LR(1) parser?

- a) LL parsing
- b) SLR parsing
- c) LALR parsing
- d) CLR parsing

Answer: d) CLR parsing

# Which parsing technique is a type of top-down parsing that uses recursive function calls to build the parse tree?

- a) LL parsing
- b) SLR parsing
- c) Recursive descent parsing
- d) LR parsing

Answer: c) Recursive descent parsing

#### Which parsing technique is capable of handling ambiguous grammars?

- a) LL parsing
- b) SLR parsing
- c) LALR parsing
- d) GLR parsing

Answer: d) GLR parsing