

1. Which of the following is NOT true in programming language

- a) Programming language should have good readability thus helps in maintaining the application.
- b) Performance is more important than maintenance.
- c) Programming language can have side effect.
- d) Programming language should be evaluated base on writability also.

Ans: b

2. What type of grammar is used in the modern programming languages

- a) Context Free Grammar
- b) Unambiguous grammar
- c) LR Grammar
- d) All the above
- e) option a and b

Ans: d

3. Why dead state is not required in the DFA of the Lexical Analyser

- a) Because of recovery mode
- b) Because lexeme recognition do not need final state
- c) Both a and b
- c) None

Ans: a

4. Where can we define the precedence of operator in programming language

- a) Grammar
- b) Regular Expression
- c) Semantic Analyser
- d) Parser

Ans: a

5. Which of the following is TRUE in LL parsing
- a) Elimination of Left recursion and left factoring
 - b) Produces the optimized parsing table
 - c) Accepts all the context free grammar
 - d) All the above.

Ans: a

6. What is the Follow of E in the following grammar

```
S -> EE
E -> faE
E -> cdE
E -> e
```

- a) \$,f,e
- b) c,f,e,\$
- c) \$
- d) f d \$

Ans: b

7. Why attribute grammars are required in programming language?

- a) to support on the fly computation and storage
- b) to define semantics
- c) to support context sensitive grammar
- d) None of the above.

Ans: c

8. What is the precondition of the following

```
if (x == 10) {
    printf("%d", x);
}
```

- a) 10
- b) >=10
- c) >10

d) None

Ans:a

9. What is Syntax Directed Translation?

- a) A set of rules
- b) A set of rules attached with the grammar
- c) Context free grammar
- d) All the above

Ans: b

10. What is NOT true in the following

- a) Operational is the mathematical essence
- b) LL(1) parser is the recursive descent parser
- c) All grammars unambiguous
- d) All the above
- e) a and b
- f) b and c
- g) a and c

Ans: a