

Model Question paper for online examination

M.Sc.CS Part- 1 Paper 1 : Principles of Compiler Design-I & II

Q1. Which of the following is the fastest logic?

1. TTL
2. ECL
3. CMOS
4. LSI

Q2. A bottom up parser generates _____

1. Right most derivation
2. Rightmost derivation in reverse
3. Leftmost derivation
4. Leftmost derivation in reverse

Q3. A grammar that produces more than one parse tree for some sentence is called

- _____
1. Ambiguous
 2. Unambiguous
 3. Regular
 4. None of the mentioned

Q4. The root directory of a disk should be placed _____

1. At a fixed address in main memory
2. At a fixed location on the disk
3. Anywhere on the disk
4. None of the mentioned

Q5. Which of the following is not a weighted code?

1. Decimal Number system
2. Excess 3-cod
3. Binary number System
4. None of the mentioned

Q6. The average time required to reach a storage location in memory and obtain its contents is called the _____

1. Seek time
2. Turnaround time

3. Access time
4. Transfer time

Q7. Which of the following describes a handle (as applicable to LR-parsing) appropriately?

1. Position where next reduce or shift operation will occur
2. The next step has use of Non-terminal for reduction
3. Used for reduction in a coming-up step along with a position in the sentential form where the next shift or reduce operation will occur
4. Used in the next step for reduction along with a position in the sentential form where the right hand side of the production may be found

Q8. Which one of the following is a top-down parser?

1. Recursive descent parser
2. Operator precedence parser
3. An LR(k) parser
4. An LALR(k) parser

Q9. Which of the following is TRUE?

1. Both P and Q are true
2. P is true and Q is false
3. P is false and Q is true
4. Both P and Q are false

Q10. NFAs are _____ DFAs.

1. Larger than
2. More expressive than
3. Less expressive than
4. Equally expressive as