

Q1. A compiler may produce which of the following?

- (A) Target code
- (B) Error messages
- (C) Warnings
- (D) All of the other options

Ans: D

Q2. Converting a hardware description into actual circuitry is known as

- (A) Silicon compilation
- (B) Circuit compilation
- (C) HDL compilation
- (D) None of the other options

Ans: A

Q3. Phase of the compiler scanning the input sequence is known as

- (A) Input scanning
- (B) Lexical analysis
- (C) Structure analysis
- (D) Syntax analysis

Ans: B

Q4. Symbol table is used by which phase of compiler?

- (A) Lexical analysis
- (B) Syntax analysis
- (C) Code generation
- (D) All the other options

Ans: D

Q5. Outputs of lexical analysis phase are

- (A) Keywords
- (B) Symbols
- (C) Tokens
- (D) All of the other options

Ans: C

Q6. Output of syntax analysis is called

- (A) Parse tree
- (B) Keyword tree
- (C) Binary tree
- (D) All of the other options

Ans: A

Q7. A programming language does not allow '_' character in the input. This is generally detected in the phase of

- (A) Lexical analysis
- (B) Syntax analysis
- (C) Semantic analysis
- (D) None of the other options

Ans: A

Q8. A programming language does not allow integer division operation. This is generally detected in the phase of

- (A) Lexical analysis
- (B) Syntax analysis
- (C) Semantic analysis
- (D) None of the other options

Ans: C

Q9. Most of the programming language follows

- (A) Static scoping
- (B) Dynamic scoping
- (C) Both static and dynamic scoping
- (D) Neither static nor dynamic scoping

Ans: A

Q10. Intermediate code helps in

- (A) Program analysis
- (B) Retargeting code
- (C) Code optimization
- (D) Code check

Ans: B

Q11. For maximum speed of execution of target code, temporary variables be best allocated to

- (A) Main memory
- (B) Swap space
- (C) CPU registers
- (D) None of the other options

Ans: C

Q12. Loops are the major targets for optimization since

- (A) Condition check takes exceedingly large time
- (B) Loop body is repeated several times
- (C) Loop may goto infinite execution
- (D) None of the other options

Ans: B

Q13. Symbol table is created by

- (A) Lexical analyzer
- (B) Syntax analyzer
- (C) Both lexical and syntax analyzer
- (D) Neither lexical nor syntax analyzer

Ans: C

Q14. Compiler helps in debugging via

- (A) Additional code embedding
- (B) Slower execution of programs
- (C) Printing variable values
- (D) None of the other options

Ans: A

Q15. Error recovery helps to

- (A) Rectify multiple errors
- (B) Report multiple errors
- (C) Both report and rectify multiple errors
- (D) None of the other options

Ans: B