



Computer Science's **1500** important MCQ

For Competitive Job Examinations

MCQs on Computer Programming (Part 1: Basics, Algorithms, and C Programming)

Introduction & Basics

Q1. Which of the following is the lowest-level programming language?

- a) C
- b) Assembly
- c) Java
- d) Python

Answer: b) Assembly

Q2. Which of the following is a high-level programming language?

- a) Machine code
- b) Assembly
- c) C++
- d) Microcode

Answer: c) C++

Q3. The process of finding and fixing errors in a program is called:

- a) Compiling
- b) Debugging
- c) Assembling
- d) Interpreting

Answer: b) Debugging

Q4. A program written in C is converted into machine code using:

- a) Interpreter
- b) Compiler

- c) Loader
- d) Linker

Answer: b) Compiler

Q5. Which one is NOT a step of problem-solving in programming?

- a) Problem definition
- b) Algorithm design
- c) Testing
- d) Memory allocation by OS

Answer: d) Memory allocation by OS

Algorithms & Problem Solving

Q6. An algorithm must be:

- a) Finite
- b) Ambiguous
- c) Infinite
- d) Language dependent

Answer: a) Finite

Q7. Flowcharts are used for:

- a) Compiling programs
- b) Designing algorithms
- c) Running programs
- d) Debugging code

Answer: b) Designing algorithms

Q8. Which of the following sorting algorithms has the best average-case time complexity?

- a) Bubble sort
- b) Insertion sort
- c) Merge sort
- d) Selection sort

Answer: c) Merge sort

Q9. Which searching algorithm is efficient on sorted data?

- a) Linear Search
- b) Binary Search
- c) Hashing
- d) Depth First Search

Answer: b) Binary Search

Q10. Which of the following is NOT a characteristic of a good algorithm?

- a) Ambiguity

- b) Definiteness
- c) Finiteness
- d) Effectiveness

Answer: a) Ambiguity

C Programming Basics

Q11. The correct syntax for the main function in C is:

- a) main()
- b) void main()
- c) int main()
- d) function main()

Answer: c) int main()

Q12. Which of the following is NOT a valid C data type?

- a) int
- b) float
- c) real
- d) char

Answer: c) real

Q13. Which symbol is used for single-line comments in C++ (not in C)?

- a) /* */
- b) //
- c) #
- d)

Answer: b) //

Q14. In C, the sizeof(int) is usually:

- a) 1 byte
- b) 2 or 4 bytes depending on system
- c) 8 bytes
- d) Undefined

Answer: b) 2 or 4 bytes depending on system

Q15. Which operator is used for pointer dereferencing?

- a) &
- b) *
- c) ->
- d) %

Answer: b) *

Control Structures

Q16. The default return type of a C function is:

- a) int
- b) void
- c) float
- d) char

Answer: a) int

Q17. Which loop guarantees at least one execution?

- a) for
- b) while
- c) do-while
- d) none

Answer: c) do-while

Q18. The break statement is used to:

- a) Exit from a loop
- b) Skip one iteration
- c) Exit from program
- d) Stop compilation

Answer: a) Exit from a loop

Q19. The continue statement is used to:

- a) Exit program
- b) End loop immediately
- c) Skip current iteration
- d) Restart loop

Answer: c) Skip current iteration

Q20. The ternary operator in C is:

- a) ? :
- b) ::
- c) &&
- d) ||

Answer: a) ? :

Functions, Arrays, Strings

Q21. A function that calls itself is known as:

- a) Iterative function
- b) Recursive function
- c) Inline function
- d) Friend function

Answer: b) Recursive function

Q22. In C, array indexing starts from:

- a) -1
- b) 0
- c) 1
- d) Undefined

Answer: b) 0

Q23. Which header file is required for string handling functions in C?

- a) stdio.h
- b) conio.h
- c) string.h
- d) stdlib.h

Answer: c) string.h

Q24. Which function is used to find the length of a string in C?

- a) strlen()
- b) strlength()
- c) size()
- d) count()

Answer: a) strlen()

Q25. A function in C can return:

- a) Only one value
- b) Multiple values directly
- c) Nothing
- d) One value or nothing (using void)

Answer: d) One value or nothing (using void)

MCQs on Computer Programming (Part 2: Pointers, Structures, Files, and OOP)

Pointers

Q26. What does a pointer in C store?

- a) Value of a variable
- b) Address of a variable
- c) Size of a variable
- d) None of these

Answer: b) Address of a variable