

Course  
&  
Test Series

Exam Paper for Programming Techniques in C

Time: 45 Minutes

Marks : 50

Note: All questions are compulsory

Section A(5\*1=5)  
MCQ Questions

Ques 1: Which of the following is a high-level language?

- A) Assembly
- B) Machine Code
- C) C
- D) Binary

Ques 2: What is the first step in program design?

- A) Testing the program
- B) Writing code
- C) Problem analysis
- D) Documentation

Ques 3: Which of the following converts assembly code to machine code?

- A) Compiler
- B) Assembler
- C) Interpreter
- D) Debugger

Ques 4: Which translator is faster in execution?

- A) Interpreter
- B) Compiler
- C) Debugger
- D) Loader

Ques 5: Flowcharts use which shape for decisions?

- A) Rectangle
- B) Diamond
- C) Oval
- D) Parallelogram

Section B(5\*5=25)  
Descriptive Questions

Ques 6: Describe the role of program design in software development.

Ques 7: Explain the concept of debugging and testing in programming techniques.

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- Ques 8: What are machine language and assembly language?  
Ques 9: Explain the difference between compiler, interpreter, and assembler.  
Ques 10: Define an algorithm. What are its main characteristics?

Section C(1\*20=20)  
Practical Questions

Ques 11:

- (a) Create a flowchart to find the sum of all even numbers between 1 and 100 in C language. (10 Marks)  
(b) Write an algorithm and draw a flowchart to check whether a number is even or odd. (10 Marks)

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