

**Course
&
Test Series**

Exam Paper for Control Structure in C

Time: 45 Minutes

Marks : 50

Note: All questions are compulsory

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

Ques 1: What is the correct syntax of a for loop in C?

- A. for (initialization, condition, increment)
- B. for (initialization; condition; increment)
- C. for initialization; condition; increment;
- D. for (initialization condition increment)

Ques 2: What is the purpose of the default keyword in a switch statement?

- A. It executes when none of the cases match.
- B. It always executes before all cases.
- C. It defines the starting case.
- D. It must always be used in a switch statement.

Ques 3: What is the main use of the continue statement?

- A. Exits from the loop completely.
- B. Skips the rest of the current iteration.
- C. Jumps to a labeled statement.
- D. Repeats the loop condition.

Ques 4: Which of the following is a valid C conditional statement?

- A. if (x > 0) { printf("Positive"); }
- B. if x > 0 { printf("Positive"); }
- C. if x > 0 then printf("Positive");
- D. if (x > 0) printf "Positive";

Ques 5: What type of conversion occurs automatically in C?

- A. Explicit conversion
- B. Forced conversion
- C. Implicit conversion
- D. None

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

Ques 6: Explain how the switch statement works in C. Include discussion of expression evaluation, case labels, break, default, and fall-through behaviour

Ques 7: Describe the structure of a for loop in C (initialization; condition; increment). Explain what happens in each step and in what order.

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- Ques 8: Difference between While and Do While Loop?
Ques 9: Explain the syntax and working of the goto statement in C.
Ques 10: What is Type Casting? Why it is Used?

Section C(1*20=20)
Practical Questions

Ques 11:

- (a) Write a program that asks the user to enter a positive integer. If the user enters a negative number or zero, use a goto statement to ask again until a valid number is entered. Then print the number. (10 Marks)
- (b) Write a program that takes a floating-point number from the user and converts it to an integer using explicit type casting. Print both the original and converted values in C Language. (10 Marks)

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