

Course
&
Test Series

Exam Paper for Control Flow Statements and Loops

Time: 45 Minutes

Marks : 50

Note: All questions are compulsory

Section A(5*1=5)
MCQ Questions

Ques 1: Which of the following data types cannot be used in a switch statement?

- A) int
- B) char
- C) float
- D) enum

Ques 2: Which of the following is not a jump statement in C++?

- A) break
- B) continue
- C) return
- D) for

Ques 3: Which jump statement is used to exit from a function?

- A) break
- B) continue
- C) return
- D) goto

Ques 4: Which loop is guaranteed to execute at least once?

- A) for
- B) while
- C) do-whiles
- D) switch

Ques 5: What will happen if break is omitted in a switch case?

- A) The program will not compile
- B) The next case(s) will execute until a break is found
- C) Only the default case will execute
- D) The program will crash

Section B(5*5=25)
Descriptive Questions

Ques 6: Explain the structure of a switch statement in C++. How does it differ from if-else statements?

Ques 7: Explain the difference between if, if-else, and else-if statements in C++ with examples.

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Ques 8: Explain the difference between for, while, and do-while loops with examples.

Ques 9: Explain an infinite loop. Write an example using both for and while loops. How can infinite loops be useful?

Ques 10: Explain what a default case is in a switch statement. Is it mandatory? Illustrate with an example.

Section C(1*20=20)
Practical Questions

Ques 11:

(a) Write a program that prints numbers from 1 to 20 but skips multiples of 5 using a jump statement. (10 Marks)

(b) Discuss nested loops. Write a program to print the following pattern: (10 Marks)

```
1
12
123
1234
12345
```