

Course
&
Test Series

Exam Paper for Arrays and Strings

Time: 45 Minutes

Marks : 50

Note: All questions are compulsory

Section A(5*1=5)
MCQ Questions

Ques 1: What happens when you access an element outside the array bounds?

- A. Compile-time error
- B. Runtime error always
- C. Undefined behavior
- D. Program automatically expands the array

Ques 2: Which header file is required for using `std::string`?

- A. `<iostream>`
- B. `<string>`
- C. `<cstring>`
- D. `<stdlib.h>`

Ques 3: Which function returns the length of a `std::string`?

- A. `size()`
- B. `length()`
- C. Both A and B
- D. `len()`

Ques 4: Which loop is best for iterating over a fixed-size array?

- A. `while`
- B. `do-while`
- C. `for`
- D. `goto`

Ques 5: Which statement is true about arrays in C++?

- A. Array size can be changed at runtime
- B. Arrays store elements of different data types
- C. Array elements occupy contiguous memory locations
- D. Array index starts from 1

Section B(5*5=25)
Descriptive Questions

Ques 6: What is an array? Explain its need and importance in C++ with examples.

Ques 7: Describe the different ways of declaring and initializing arrays in C++.

Ques 8: What is string concatenation? Explain different ways to concatenate strings in C++.

Ques 9: Explain different methods of declaring and initializing strings in C++.

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Ques 10: What is the difference between one-dimensional and two-dimensional arrays?

Section C(1*20=20)
Practical Questions

Ques 11:

- (a) Write a program to convert a string to uppercase and lowercase. (10Marks)
(b) Write a program to: (10 Marks)

Instructions:

- Declare a one-dimensional array of size 5.
- Input 5 integer values from the user into the array.
- Find and display:
 - The sum of all the elements.
 - The smallest element in the array.

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