

Course
&
Test Series

Exam Paper for Arrays And Strings In C

Time: 45 Minutes

Marks : 50

Note: All questions are compulsory

Section A(5*1=5)
MCQ Questions

Ques 1: The index of the first element in a one-dimensional array is:

- a) 0
- b) 1
- c) -1
- d) Any positive integer

Ques 2: Which of the following searching techniques is faster for sorted arrays?

- a) Linear Search
- b) Binary Search
- c) Sequential Search
- d) Random Search

Ques 3: Deletion of an element in an array requires:

- a) Reducing the array size automatically
- b) Shifting the remaining elements
- c) No change in element positions
- d) Direct removal using an inbuilt function

Ques 4: Which escape sequence represents a new line in a string?

- a) \t
- b) \n
- c) \\
- d) \r

Ques 5: Function used to compare two strings is:

- a) strcmp()
- b) strcat()
- c) strcpy()
- d) strlen()

Section B(5*5=25)
Descriptive Questions

Ques6: Define an array. What are the advantages of using arrays in C programming?

Ques7: What are the limitations of performing insertion and deletion in arrays?

Ques8: What is a two-dimensional array? How is it different from a one-dimensional array?

...many more

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Ques9: Write a C program to find the length of a string without using the built-in strlen() function.

Ques10: Differentiate between compile-time and run-time array initialization

Section C(1*20=20)
Practical Questions

Ques 11 :

(a) Write a C program to find the sum and average of elements of a one-dimensional array. (10 Marks)

Instructions:

- Declare an array of size n (input from user).
- Read elements into the array.
- Calculate and print the sum and average.

(b) Ques 2: Write a program to find the first occurrence of a character in a string using strchr. (10 Marks)

Input:

- String: "Qualities"
- Character to find: 'e'
- Expected Output: Display the position of 'e' in the string

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