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**#1 Online Certification Guide**

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# C++ INSTITUTE CLA-11-03

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**C++ Institute CLA Certified Associate Programmer Certification Questions & Answers**

Exam Summary – Syllabus –Questions

**CLA-11-03**
**CLA - C Certified Associate Programmer**
**55 Questions Exam – 70% Cut Score – Duration of 65 minutes**

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# Know Your CLA-11-03 Certification Well:

The CLA-11-03 is best suitable for candidates who want to gain knowledge in the C++ Institute C Programming. Before you start your CLA-11-03 preparation you may struggle to get all the crucial CLA Certified Associate Programmer materials like CLA-11-03 syllabus, sample questions, study guide.

But don't worry the CLA-11-03 PDF is here to help you prepare in a stress-free manner.
The PDF is a combination of all your queries like-
- What is in the CLA-11-03 syllabus?
- How many questions are there in the CLA-11-03 exam?
- Which Practice test would help me to pass the CLA-11-03 exam at the first attempt?

Passing the CLA-11-03 exam makes you CLA - C Certified Associate Programmer. Having the CLA Certified Associate Programmer certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

# C++ Institute CLA-11-03 CLA Certified Associate Programmer Certification Details:

| | |
|---|---|
| Exam Name | CLA - C Certified Associate Programmer |
| Exam Code | CLA-11-03 |
| Exam Price | $295 (USD) |
| Duration | 65 mins |
| Number of Questions | 55 |
| Passing Score | 70% |
| Books / Training | **C Essentials 1 (Basics) (Edube, self-enroll/self-study)** **C Essentials 2 - (Intermediate) (Edube, self-enroll/self-study)** |
| Schedule Exam | **Pearson VUE** |
| Sample Questions | **C++ Institute CLA Certified Associate Programmer Sample Questions** |
| Practice Exam | **C++ Institute CLA-11-03 Certification Practice Exam** |

# CLA-11-03 Syllabus:

| Topic | Details |
|---|---|
| Absolute basics | - languages: natural and artificial,<br>- machine languages,<br>- high-level programming languages,<br>- obtaining the machine code: compilation process,<br>- writing simple programs,<br>- variables,<br>- integer values in real life and in C,<br>- integer literals. |
| Data Types | - floating point values in real life and in C,<br>- float literals,<br>- arithmetic operators,<br>- priority and binding,<br>- post- and pre-incrementation and decrementation,<br>- operators of type op=,<br>- char type and ASCII code,<br>- char literals,<br>- equivalence of int and char data,<br>- comparison operators,<br>- conditional execution and if keyword,<br>- printf() and scanf() functions. |
| Flow control | - conditional execution: the "else" branch,<br>- integer and float types,<br>- conversions,<br>- typecast and its operators,<br>- loops – while, do and for,<br>- controlling the loop execution – break and continue,<br>- logical and bitwise operators. |
| Arrays | - switch: different faces of 'if',<br>- arrays (vectors),<br>- sorting in real life and in a computer memory,<br>- initiators,<br>- pointers,<br>- an address, a reference, a dereference and the sizeof operator,<br>- simple pointer and pointer to nothing (NULL),<br>- & operator,<br>- pointers arithmetic,<br>- pointers vs. arrays: different forms of the same phenomenon,<br>- using strings,<br>- basic functions dedicated to string manipulation. |

| Topic | Details |
|---|---|
| Memory management and structures | - array indexing,<br>- the usage of pointers: perils and disadvantages,<br>- void type,<br>- arrays of arrays and multidimensional arrays,<br>- memory allocation and deallocation: malloc() and free() functions,<br>- arrays of pointers vs. multidimensional arrays,<br>- structures,<br>- declaring, using and initializing structures,<br>- pointers to structures and arrays of structures,<br>- basics of recursive data collections. |
| Functions | - functions,<br>- how to declare, define and invoke a function,<br>- variables' scope, local variables and function parameters,<br>- pointers, arrays and structures as function parameters,<br>- function result and return statement,<br>- void as a parameter, pointer and result,<br>- parameterizing the main function,<br>- external function and the extern declarator,<br>- header files and their role. |
| Files and streams | - files vs. streams,<br>- header files needed for stream operations,<br>- FILE structure,<br>- opening and closing a stream, open modes, errno variable,<br>- reading and writing to/from a stream,<br>- predefined streams: stdin, stdout and stderr,<br>- stream manipulation: fgetc(), fputc(), fgets() and fputs() functions,<br>- raw input/output: fread() and fwrite() functions. |
| Preprocessor and complex declarations | - preprocessor,<br>- #include: how to make use of a header file,<br>- #define: simple and parameterized macros,<br>- #undef directive,<br>- predefined preprocessor symbols,<br>- macrooperators: # and ##,<br>- conditional compilation: #if and #ifdef directives,<br>- avoiding multiple compilations of the same header files,<br>- scopes of declarations, storage classes,<br>- user –defined types,<br>- pointers to functions,<br>- analyzing and creating complex declarations. |

# C++ Institute CLA-11-03 Sample Questions:

## Question: 1

**Which of the following is a valid complex pointer declaration in C?**

a) int *ptr;
b) int **ptr;
c) int (*ptr)[10];
d) int *ptr();

**Answer: c**

## Question: 2

**Which of the following are advantages of pointers?**

a) Efficient array manipulation
b) Dynamic memory allocation
c) Direct access to memory
d) Improved code readability
e) Increased memory security

**Answer: a, b, c**

## Question: 3

**What does the following code print?**

```
void printHello() {

    printf("Hello");

}

printHello();
```

a) Hello
b) Error
c) Nothing
d) HelloHello

**Answer: a**

## Question: 4

**Which operators can be used with the char type in C?**

a) +
b) -
c) %
d) /
e) *

**Answer: a, b**

## Question: 5

**What is the purpose of the main() function in C?**

a) To define variables
b) To start program execution
c) To store data
d) To terminate the program

**Answer: b**

## Question: 6

**Select the correct characteristics of a high-level programming language)**

a) Human-readable
b) Machine-independent
c) Requires a compiler
d) Directly understood by hardware
e) Easier to debug

**Answer: a, b, c, e**

## Question: 7

**Which keyword is used to define a void pointer in C?**

a) int
b) char
c) float
d) void

**Answer: d**

Question: 8

**Which of the following are correct characteristics of a recursive function?**

a) It calls itself
b) It must have a base case
c) It creates infinite loops by default
d) It uses more memory than iterative solutions
e) It is always faster than loops

**Answer: a, b, d**

Question: 9

**How is a structure defined in C?**

a) struct name { members };
b) structure name { members };
c) class name { members };
d) define struct { members };

**Answer: a**

Question: 10

**Which functions are used for raw input/output operations?**

a) fgetc()
b) fwrite()
c) fread()
d) fputc()
e) fprintf()

**Answer: b, c**

# Study Guide to Crack C++ Institute CLA Certified Associate Programmer CLA-11-03 Exam:

- Getting details of the CLA-11-03 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the CLA-11-03 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the C++ Institute provided training for CLA-11-03 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the CLA-11-03 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on CLA-11-03 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

## Reliable Online Practice Test for CLA-11-03 Certification

Make EduSum.com your best friend during your C++ Institute CLA - C Certified Associate Programmer exam preparation. We provide authentic practice tests for the CLA-11-03 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual CLA-11-03 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the CLA-11-03 exam.

**Start Online practice of CLA-11-03 Exam by visiting URL**
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