# C++ Fundamentals and C++ for SharePoint - MCQs

## Part A – C++ Fundamentals

1. Which of the following is NOT a valid C++ data type?

* A) float
* B) string
* C) boolean
* D) real

Answer: D

2. In C++, what does the virtual keyword indicate in a class method?

* A) The method cannot be overridden
* B) The method can be overridden in a derived class
* C) The method runs faster
* D) The method is private

Answer: B

3. Which of these correctly creates a pointer to an integer in C++?

* A) int ptr;
* B) int \*ptr;
* C) pointer<int> ptr;
* D) ptr<int> var;

Answer: B

4. What will the following code print?  
int a = 5;  
int b = 2;  
cout << a / b;

* A) 2.5
* B) 2
* C) 3
* D) Compilation error

Answer: B

5. Which operator cannot be overloaded in C++?

* A) +
* B) =
* C) ::
* D) []

Answer: C

6. What is the output of the following code?  
string s = "SharePoint";  
cout << s.size();

* A) 9
* B) 10
* C) 11
* D) Compilation error

Answer: A

7. What does the friend keyword in C++ allow?

* A) Sharing of private/protected members between classes/functions
* B) Making a class immutable
* C) Preventing inheritance
* D) Only allowing public access

Answer: A

8. Which of the following is true about references in C++?

* A) They can be reseated to refer to another variable
* B) They must always be initialized at declaration
* C) They consume more memory than pointers
* D) They are the same as pointers

Answer: B

## Part B – C++ for SharePoint

9. In SharePoint development with C++, which library is typically used to interact with SharePoint REST APIs?

* A) libcurl
* B) iostream
* C) stdnet
* D) sharepointlib

Answer: A

10. When using C++ to integrate with SharePoint, authentication is often done via:

* A) NTLM or OAuth tokens
* B) HTML cookies only
* C) SQL connection strings
* D) Registry access

Answer: A

11. Which data format is most commonly exchanged between C++ clients and SharePoint REST endpoints?

* A) CSV
* B) JSON
* C) XML only
* D) Binary

Answer: B

12. What is the role of C++ in SharePoint solutions?

* A) Front-end page design only
* B) Back-end processing, automation, and integration with APIs
* C) Only used for SharePoint themes
* D) Required for all SharePoint web parts

Answer: B

13. When creating a C++ program to upload a file to SharePoint, which HTTP method is generally used?

* A) GET
* B) POST
* C) DELETE
* D) PATCH

Answer: B

14. If you are calling SharePoint CSOM (Client-Side Object Model) from C++, how do you usually do it?

* A) Using COM interop or a wrapper library around .NET assemblies
* B) Direct SQL calls to SharePoint databases
* C) Using only HTML forms
* D) Through Excel macros

Answer: A

15. In a C++ SharePoint automation tool, after obtaining an OAuth token, what is the next step before making an API request?

* A) Convert the token to base64
* B) Include it in the Authorization header as Bearer <token>
* C) Store it in a local text file
* D) Restart the SharePoint server

Answer: B