19 Lecture - CS301

Important Mcqs

1. **What does the const keyword do in C++?**
   a) Declares a variable that cannot be modified
   b) Declares a variable that can only be modified in specific contexts
   c) Declares a variable that is used for debugging purposes
   Answer: a

2. **Which of the following is a benefit of using const variables?**
   a) Improved program performance
   b) Increased memory usage
   c) Reduced bugs and improved program stability
   Answer: c

3. **Can const variables be modified after they are initialized?**
   a) Yes
   b) No
   Answer: b

4. **What happens if you try to modify a const variable in C++?**
   a) The program crashes
   b) The compiler generates an error
   c) The modification is allowed
   Answer: b

5. **Which of the following types of variables is typically declared as const in C++?**
   a) Variables that are used for input/output
   b) Global variables
   c) Variables that are used as constants in the program
   Answer: c

6. **Is the const keyword required when passing a variable by reference in C++?**
   a) Yes
   b) No
   Answer: a

7. **Can a member function of a C++ class be declared as const?**
   a) Yes
   b) No
   Answer: a

8. **Which of the following is an example of a const pointer in C++?**
   a) int* const ptr;
   b) const int* ptr;
   c) const int* const ptr;
   Answer: a

9. **Can a const variable be initialized with a value at runtime in C++?**
   a) Yes
   b) No
   Answer: b

10. **Is the const keyword used in other programming languages besides C++?**
    a) Yes
    b) No
    Answer: a