**ASSIGNMENT QUESTIONS**

**BRANCH:- CSE SUBJECT:-OOPS**

**SEMESTER:-4TH**

**Q #1) What is the basic structure of a C++ program?**

**Q #2) What are the Comments in C++?**

**Q #3) Difference between Declaration and Definition of a variable.**

**Q #4) Comment on Local and Global scope of a variable.**

**Q #5) What is the precedence when there are a Global variable and a Local variable in the program with the same name?**

**Q #6) When there are a Global variable and Local variable with the same name, how will you access the global variable?**

**Q #7) How many ways are there to initialize an int with a Constant?**

**Q #8) What is a Constant? Explain with an example.**

**Q #9) How do you define/declare constants in C++?**

**#10) Comment on Assignment Operator in C++.**

**Q #11) What is the difference between equal to (==) and Assignment Operator (=)?**

**Q #12) What are the various Arithmetic Operators in C++?**

**#13) What are the various Compound Assignment Operators in C++?**

**Q #14) State the difference between Pre and Post Increment/Decrement Operations.**

**Q #15) What are the Extraction and Insertion operators in C++? Explain with examples.**

**#16) What is the difference between while and do while loop? Explain with examples.**

**Q #17) What do you mean by ‘void’ return type?**

**Q #18) Explain Pass by Value and Pass by Reference.**

**Q #19) What are Default Parameters? How are they evaluated in the C++ function?**

**Q #20) What is an Inline function in C++?**

**Q #21) What is a Reference Variable in C++?**

**Q #22) What is a Storage Class? Mention the Storage Classes in C++.**

**Q #23) Difference between Class and Structure.**

**Q #24) What is the difference between an Object and a Class?**

**Q #25) What is a Constructor and how is it called?**

**Q #26) What is a Default Constructor?**

**Q #27) Explain Function Overloading and Operator Overloading.**

**Q #28) What is the difference between Method Overloading and Method Overriding in C++?**

**Q #29) What are the benefits of Operator Overloading?**

**Q #30) What is Inheritance?**

**Q #31) What are Multiple Inheritances (virtual inheritance)? What are its advantages and disadvantages?**

**Q #32) Does a derived class inherit or doesn't inherit?**

**Q #33) What is Polymorphism?**

**Q #34) What is a friend function?**

**Q #35) What is a friend class?**

**Q #36) What is a template?**

**Q #37) What is Exception Handling? Does C++ support Exception Handling?**

**Q #38) Comment on C++ standard exceptions?**

**Q #39) What is a Standard Template Library (STL)? What are the various types of STL Containers?**

**Q #40) What is an Iterator class?**

**Q #41) What is the difference between an External Iterator and an Internal Iterator? Describe an advantage of the External Iterator.**