SUBJECT: C++ QUESTION BANK

Unit-1

1) Differentiate POP and OOP
2) Explain components of OOP
3) Differentiate Encapsulation and Abstraction
4) Explain benefits and applications of OOP
5) What is C++? Explain features and applications of c++
6) Write a short note on input and output operators in c++
7) Explain reference variable
8) Write a short note on data types
9) Explain operators
10) What is operator precedence and associativity?
11) List out control structures and explain in detail
12) What is loop? List out looping structures and explain in detail

Unit-2:

1) What is Function? Explain the components of function
2) Write a short note on call by value and call by reference
3) Explain return by reference
4) What is inline function?
5) Explain default and const arguments
6) What is function overloading?
7) Write a short note on local class
8) Write a short note on nested class

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9) Write a short note on memory allocation of objects

10) Explain static data members and static member function

11) Write a short note on friend function

Unit-3:

1) What is constructor? Write features of constructor

2) Write a short note on types of constructor

3) Write a short note on constructor overloading

4) What is constructor with default arguments?

5) Write a short note on destructor

6) Explain Operator overloading

7) Explain overloading of unary operator using friend function

8) What is type conversion? Explain implicit and explicit type conversion

9) What is MIL?

Unit-4:

1) What is inheritance?

2) Define base class and derived class

3) Explain modes of inheritance

4) Write a short note on types of inheritance

5) Explain virtual base class in c++

6) Explain abstract class

7) How to use constructor in derived class?

8) Explain constructor and destructor in inheritance

9) Explain containership

10) Write a short note on virtual and pure virtual function

11) What is RTTI?

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Unit-5:

1) Define stream in c++
2) Write a short note on stream class
3) Explain formatted and unformatted I/O Operations
4) Explain different sequential and random access functions
5) What are command line arguments?
6) Write a short note on error handling
7) What is template? Explain function templates and class templates
8) Explain overloading of function templates
9) what is non-type argument template
10) What is STL?
11) Differentiate bad() and fail()