CS304 Quiz No.2 Spring 2020 by MCS of Virtuallians

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1. The parameters given in temple definition other than those used for mentioning templates types are called _____
    a. Type Parameters
    b. Non Type parameters
    c. Default Type Parameters
    d. None of the given option
2. Which of the following is the correct way to define a template class X?
    a. Class < typename T>class X{}
    b. Template class C{}
    c. Template < typename T> classX{}
    d. Typename<class T > class X{}
3. In resolution order of function template, compiler searches for _____in the end
    a. Complete specialization
    b. Partial specialization
    c. Ordinary function
    d. Generic template
4. _____may inherit from a complete specialization
    a. Partial specialization
    b. Complete specialization
    c. Ordinary class
    d. All of given options
5. Which of the following may inherit form the ordinary class?
    a. Class template
    b. Partial specialization
    c. Complete specialization
    d. All of given option
6. Which of the following is a sequence container?
    a. Map
    b. Vector
    c. Set
    d. multiset
7. Each _____of a template class by default becomes function template
    a. Date member
    b. Member function
    c. Type parameter
    d. Object
8. When we specialize a function template, it is called _____
    a. Function overloading
    b. Function overriding
    c. Function template overloading
    d. Function template overriding

9. Which of the following is NOT an associative container?
    a. Set
    b. Multiset
    c. Map
    d. Group
10. A _____is a pointer which is declared outside the _____
    a. Container, cursor
    b. Cursor, container
    c. Container, class
    d. This, cursor
11. Which of the following are collectively referred to as the first class containers?
    a. Associative containers and containers adapters
    b. Sequence containers and associative containers
    c. Sequence containers and container adapters
    d. None of the given options
12. _____ class is a single class that provides functionality to operate on different type of data
    a. Friend
    b. Template
    c. Ordinary
    d. None of the give options
13. Which of the following can be passed as type argument to template?
    a. Primitive type
    b. User defined types
    c. Both primitive type and user defined types
    d. None of the given options
14. Which of the following is known as Dereference operator in C++?
    a. +
    b. *
    c. &
    d. ::
15. We can change behavior of template using_____
    a. Template parameters
    b. Function parameters
    c. Class Templates
    d. none of the given options
16. Which of the following represents partial specialization?
    a. Template < int, char >
    b. Template < class T, Type t>
    c. Template<class T, Class U, int>
    d. Template< typename T, class W>

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17. When we declare template function as friend of any class, then which of the following specialization(s) of template function also become friend of the class granting friendship?
    a. Explicit
    b. Implicit
    c. Partial
    d. All of the given options
18. In statement "template <class T, class U, int I = 5>" then non-type parameters is _____
    a. Class T
    b. Class U
    c. int I
    d. All of the given option
19. Which of the following is the correct syntax for passing two type argument to a template?
    a. template < type T, type U>
    b. template < typename T, typename U>
    c. template <type T,U>
    d. template Typename < T,U >
20. Which of the following represents complete specialization?
    a. Template < int, char >
    b. Template < class T, float>
    c. Template<class T, Class U , int>
    d. Template< class , class W>
21. Which of the following is/are the key component of standard template library?
    a. Containers
    b. Iterators
    c. Algorithm
    d. All of the given option
22. Which of the following statement is true about partial specialization?
    a. Function templates cannot have partial specialization
    b. Class template cannot have partial specialization
    c. Both class templates and function template can have partial specialization.
    d. None of the given
23. Which of the following is correct code portion to initialize static data member "value" of int type for class X?
    a. Template <class T> X::value =0;
    b. Template<class T>int X::value =0;
    c. Template<class T> int X < T >::value = 0;
    d. Template<class T> X < T >::value =0;
24. When we want to have exactly identical operations on different data type, _____are used
    a. Function Template

b. Function Overloading
c. Function Overriding
d. None of the given option

25. In order to define a class template the first line of definition must be:
    a. Template <typename T>
    b. typename < template T>
    c. Template class <ClassName>
    d. Class <Template T>
26. In case of template specialization, if compiler cannot find required complete specialization then it searches for some _____
    a. General template
    b. Complete template
    c. Partial specialization
    d. None of the given
27. Which of the following is the correct code to instantiate the object of given template vector class of int type?
    Template <class T>
    class vector
    {
    };
    a. Vector obj <int>;
    b. Vector obj <> int;
    c. Vector <int>obj;
    d. Vector int obj;
28. Which of the following types of container is NOT provided by standard Template Library?
    a. Sequence containers
    b. Structured containers
    c. Associative containers
    d. Container adapters
29. A class template _____
    a. Facilitates rescue of class
    b. Dose not facilitates reuse of class
    c. Does not support generic methods
    d. Does not support static members
30. Suppose a template class “test” has a static data members, how many copies of this static data member will be created when template class is instantiated by writing following line of C++ code?
    Test <char>x,y,z
    a. Zero
    b. One
    c. Two
    d. Three

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31. STL stands for:
    a. Stack Template Library
    b. Standard Template Library
    c. Structured Template Library
    d. Secure Template Library
32. Which of the following is not a sequence container?
    a. Vector
    b. Deque
    c. Map
    d. List
33. Suppose a template class "test" has a static data members, how many copies of this static data member will be created when template class is instantiated by writing following line of C++ code?
    Test <int>x;
    Test <char>y;
    a. Zero
    b. One
    c. Two
    d. Three
34. Suppose we have a template class "Test" which have a static data member "data" which is initialized with 0. What will be output when following code is written in main() function for given class?
    Test<int> a, b;
    a.data = 5;
    b.data = 7;
    cout<<a.data;
    a. 0
    b. 1
    c. 5
    d. 7
35. In resolution order, highest priority is given to _____ in template specialization.
    a. General template
    b. Complete specialization
    c. Partial specialization
    d. None of the given options
36. Which of the following is a constrained version of some first-class container?
    a. Sequence containers
    b. Associative containers
    c. Container Adapter
    d. None of the given options

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