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CS304 Solved Grand Quiz 2020

Question No 1

a 'A' static member function can be called, when a class is not _____.

Select Correct Option

- Declared
- Define
- Instantiated**.....(For More Visit VUStudents.pk)
- Called

Question No 2

The _____ relationship indicated that an object contains other objects.

Select Correct Option

- be
- is-a
- has-a
- None of the above**.....(For More Visit VUStudents.pk)

Question No 3

A generalization relation between classes are implemented using

Select Correct Option

- Data hiding
- Friend classes
- Encapsulation
- Inheritance**.....(For More Visit VUStudents.pk)

Question No 4

A member function having the same name as that of a class and a ~ sign with it is called,

Select Correct Option

- Least independencies among modules
- Implementation independence
- Information hiding**.....(For More Visit VUStudents.pk)
- All



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Question No 5

For classes with common behavior, you can save effort by placing the common behavior in a _____.

Select Correct Option

- ✓ Derived Class
- ✓ **Base Class**.....(For More Visit VUStudents.pk)
- ✓ Deprived Class
- ✓ Name Class

Question No 6

Which of the following are an advantage of OOP?

Select Correct Option

- ✓ OOP makes it easy to re-use the code
- ✓ It provides an ability to create one user defined data type by extending the other.
- ✓ It provides the facility of defining Abstract data types through which real world entities can be defined better
- ✓ **All of the above**.....(For More Visit VUStudents.pk)

Question No 7

A static member function cannot be declared

Select Correct Option

- ✓ Static
- ✓ Implicit
- ✓ Explicit
- ✓ **Virtual**.....(For More Visit VUStudents.pk)

Question No 8

A C++ class is similar to:

Select Correct Option

- ✓ Library File
- ✓ **Structure**.....(For More Visit VUStudents.pk)
- ✓ Header File
- ✓ None





Question No 9

Suppose that the Test class does not have an overloaded assignment operator. What happens when an assignment $a=b$; is given for two Test objects a and b?

Select Correct Option

- ✓ The automatic assignment operator is used
- ✓ The copy constructor is used
- ✓ **Compiler error**.....(For More Visit VUStudents.pk)
- ✓ Run-time error

Question No 10

Which operator can not be overloaded?

Select Correct Option

- ✓ The relation operator (\geq)
- ✓ Assignment operator ($=$)
- ✓ Script operator ($[]$)
- ✓ **Conditional operator ($?:$)**.....(For More Visit VUStudents.pk)

Question No 11

We capture the object attributes and behavior in Object Oriented Programming using:

Select Correct Option

- ✓ Class
- ✓ **Function**.....(For More Visit VUStudents.pk)
- ✓ Data Members
- ✓ Instances

Question No 12

A template provides a convenient way to make a family of

Select Correct Option

- ✓ Variables and data members
- ✓ **Function and classes**.....(For More Visit VUStudents.pk)
- ✓ Classes and exceptions
- ✓ Programs and algorithms





Question No 13

What is true about function templates?

Select Correct Option

- ✓ The compiler generates only one copy of the function template
- ✓ **The compiler generates a copy of function respective to each type of data**
- ✓ The compiler can only generate copy for the int type data
- ✓ None of the given

Question No 14

If there is a pointer p to objects of a base class, and it contains the address of an object class and both classes contain a nonvirtual member function. Ding(), then the statement p->ding(); will cause the version of ding() in the _____ class to be executed.

Select Correct Option

- ✓ Derived
- ✓ Base
- ✓ Abstract
- ✓ **Virtual**.....(For More Visit VUStudents.pk)

Question No 15

Which is not the advantage of inheritance?

Select Correct Option

- ✓ Providing class growth through natural selection
- ✓ **Facilitating class libraries**.....(For More Visit VUStudents.pk)
- ✓ Avoiding the rewriting of code
- ✓ Providing a useful conceptual framework

Question No 16

What problem(s) may occur when we copy objects without using deep copy constructor?

Select Correct Option

- ✓ Dangling pointer
- ✓ Memory Leakage
- ✓ System crash
- ✓ **All of the given**.....(For More Visit VUStudents.pk)





Question No 17

To convert from a user-defined class to a basic type, you would most likely use.

Select Correct Option

- ✓ A built-in conversion operator
- ✓ A one-argument constructor
- ✓ **An overloaded = operator**.....(For More Visit VUStudents.pk)
- ✓ A conversion operator that's a member of the class

Question No 18

Friend functions are _____ function of a class.

Select Correct Option

- ✓ Object member
- ✓ **Non-member**.....(For More Visit VUStudents.pk)
- ✓ Data member
- ✓ None of the given

Question No 19

The statement `objA=objB;` will cause a compiler error if the objects are of different classes.

Select Correct Option

- ✓ **True**.....(For More Visit VUStudents.pk)
- ✓ False

Question No 20

In object oriented programming, a class of objects cans_____ properties from another class of objects.

Select Correct Option

- ✓ Utilize
- ✓ Borrow
- ✓ **Inherit**.....(For More Visit VUStudents.pk)
- ✓ Adopt





Question No 21

_____ satisfy the condition of polymorphism.

Select Correct Option

- ✓ Carbon
- ✓ Diamond
- ✓ Coal
- ✓ **All**.....([For More Visit VUStudents.pk](http://VUStudents.pk))

Question No 22

The \geq operator can be overloaded.

Select Correct Option

- ✓ **True**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ False

Question No 23

Static variable can be initialized more than once.

Select Correct Option

- ✓ **True**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ False

Question No 24

In OOP a class is an example of _____.

Select Correct Option

- ✓ Data type
- ✓ Abstract type
- ✓ **User defined data type**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ None of All





Question No 25

The members of a class that can be access without creating the object of the class is called.

Select Correct Option

- ✓ Private member
- ✓ Data member
- ✓ **Public Member**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Static

Question No 26

Suppose there is an object of type Person, which of the following can be considered as one of its attributes.

Select Correct Option

- ✓ Name
- ✓ Age
- ✓ Work()
- ✓ **Both Name & Age**.....([For More Visit VUStudents.pk](http://VUStudents.pk))

Question No 27

What a derived class can add?

Select Correct Option

- ✓ New data members
- ✓ New member functions and New friend functions
- ✓ New constructors and destructor
- ✓ **All of given**.....([For More Visit VUStudents.pk](http://VUStudents.pk))

Question No 28

_____ is/are used to access information hidden within an object?

Select Correct Option

- ✓ Interface
- ✓ Private data members
- ✓ **Private member functions**.....([For More Visit VUStudents.pk](http://VUStudents.pk))
- ✓ Both public and private members





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Question No 29

this pointers are not accessible for static member functions.

Select Correct Option

True.....(For More Visit VUStudents.pk)

False

Question No 30

Which of the following operators always takes no argument if overloaded?

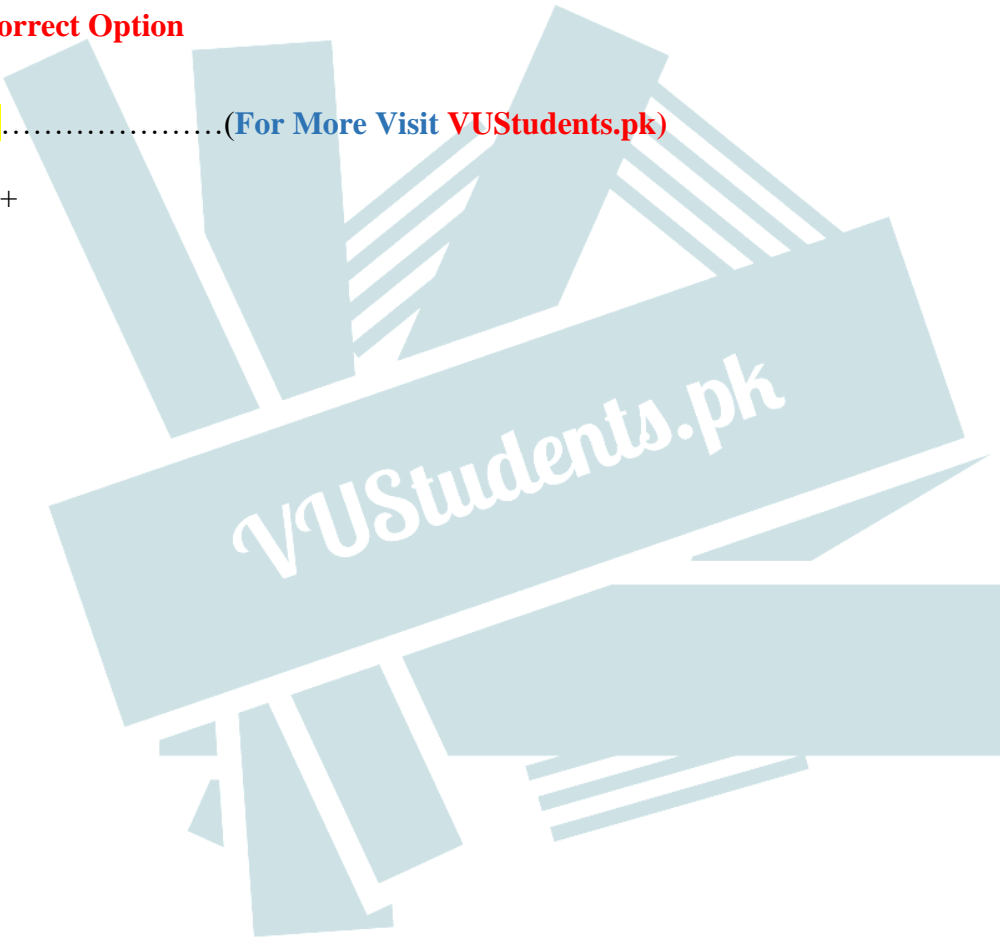
Select Correct Option

/

=.....(For More Visit VUStudents.pk)

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