

CS304 Grand Quiz 2020

Question # 11 of 30 (Start time: 12:14:55 AM, 27 June 2020)

A class can have only _____ destructor.

Select the correct option

One



Two

Three

Four

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Question # 20 of 30 (Start time: 12:25:56 AM, 27 June 2020)

Through _____, Objects communicate with outer world.

Select the correct option

- | | |
|-----------------------|---------------|
| <input type="radio"/> | Encapsulation |
| <input type="radio"/> | Interface ✓ |
| <input type="radio"/> | Inheritance |
| <input type="radio"/> | Polymorphism |

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Question # 13 of 30 (Start time: 02:52:07 AM, 2

Which of the following is a tangible entity?

Select the correct option

- | | |
|-----------------------|---------------|
| <input type="radio"/> | Database |
| <input type="radio"/> | Time |
| <input type="radio"/> | Car ✓ |
| <input type="radio"/> | Date of birth |

Question # 5 of 30 (Start time: 01:15:54 AM, 27 June 2020)

Which of the following will happen when a constant function tries to change the value of data members of the class?

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | Compiler will allow changing data members. |
| <input type="radio"/> | Program will be executed successfully. |
| <input type="radio"/> | Compile time error will occur. |
| <input type="radio"/> | Run time error will occur. ✓ |

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Question # 6 of 30 (Start time: 12:08:30 AM, 27 June 2020)

Entities in OO model are represented by:

Select the correct option

- | | |
|-----------------------|-----------|
| <input type="radio"/> | Circle |
| <input type="radio"/> | Square |
| <input type="radio"/> | Lines |
| <input type="radio"/> | Rectangle |




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Question # 3 of 30 (Start time: 12:05:04 AM, 27 June 2020)

Which of the following is true about Inline functions?

Select the correct option


- | | |
|-----------------------|--|
| <input type="radio"/> | It is used by compilers to improve efficiency of the program. |
| <input type="radio"/> | Small size functions that need to be called many times during program execution are declared inline |
| <input type="radio"/> | Inline functions decrease the code execution time. |
| <input type="radio"/> | All of the given options  |

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Question # 27 of 30 (Start time: 12:34:07 AM, 27

Polymorphism makes the system:

Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | reusable |
| <input type="radio"/> | flexible |
| <input type="radio"/> | faster |
| <input type="radio"/> | All of the given options  |

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Question # 30 of 30 (Start time: 12:36:22 AM, 27 June 2020)

A child inherits characteristics from its _____.

Select the correct option

<input type="radio"/>	Neighbor
<input checked="" type="radio"/>	Parent
<input type="radio"/>	Sibling
<input type="radio"/>	Itself

Question # 25 of 30 (Start time: 12:32:11 AM, 27 June 2020)

which of the following is part of the class diagram?

Select the correct option


<input type="radio"/>	Class Name
<input type="radio"/>	Attributes
<input type="radio"/>	Behaviors
<input type="radio"/>	All of the given options ✓

Question # 23 of 30 (Start time: 01:04:06 AM, 27 June 2020)

Total Marks: 1

In polymorphism, messages can be interpreted in different ways depending upon the _____ class.


Select the correct option

<input type="radio"/>	base
<input type="radio"/>	derived
<input checked="" type="radio"/>	sender 
<input type="radio"/>	receiver

Question 7 of 30 (Start time: 12:52:30 AM, 27 June 2020)

Subtyping means that derived class is behaviorally _____ with the base class.

Select the correct option


- | | |
|----------------------------------|--|
| <input type="radio"/> | Same |
| <input checked="" type="radio"/> | Compatible  |
| <input type="radio"/> | Different |
| <input type="radio"/> | Incompatible |

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Question # 9 of 30 (Start time: 12:12:18 AM, 27 June 2020)

A post-fix unary operator is implemented in C++ using member function with:

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | 1 dummy char argument |
| <input type="radio"/> | 1 dummy int argument |
| <input type="radio"/> | 1 dummy float argument  |
| <input type="radio"/> | None of the given options |

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Question # 7 of 30 (Start time: 12:09:53 AM, 27 June 2020)

_____ is the reverse process of Generalization.

Select the correct option

- | | |
|----------------------------------|----------------|
| <input type="radio"/> | Aggregation |
| <input checked="" type="radio"/> | Inheritance |
| <input type="radio"/> | Dependence |
| <input type="radio"/> | Specialization |

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Question # 4 of 30 (Start time: 12:06:14 AM, 27 June 2020)

Inheritance is shown by:

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input checked="" type="radio"/> | Open head arrow |
| <input type="radio"/> | Filled arrow |
| <input type="radio"/> | Single Line |
| <input type="radio"/> | Bi-directional |

Question # 29 of 30 (Start time: 01:11:06 AM, 27 June 2020)

A class defined within another class is:

Select the correct option

Nested Class



Inheritance

Containership

Encapsulation

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Question # 19 of 30 (Start time: 03:00:04 AM, 27 June 2020)

The other name of specialization is _____.



Select the correct option

- | | |
|-----------------------|-------------|
| <input type="radio"/> | Restriction |
| <input type="radio"/> | Extension |
| <input type="radio"/> | Dependency |
| <input type="radio"/> | Subtyping |



_____ means that different objects can behave in different ways for the same message.

Select the correct option

- | | |
|-----------------------|----------------|
| <input type="radio"/> | Specialization |
| <input type="radio"/> | Generalization |
| <input type="radio"/> | Polymorphism |
| <input type="radio"/> | Abstraction |

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Question # 8 of 30 (Start time: 12:11:16 AM, 27 June 2020)

Compiler generated default constructor is called _____ and user written default constructor is called _____

Select the correct option


- | | |
|-----------------------|----------------------------|
| <input type="radio"/> | Compiler-defined, Implicit |
| <input type="radio"/> | Explicit, User-defined |
| <input type="radio"/> | Explicit, Implicit |
| <input type="radio"/> | Implicit, Explicit |

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Question # 29 of 30 (Start time: 12:35:48 AM, 27 June 2020)

In _____, a pointer or reference to an object is created inside a class.


Select the correct option

- | | |
|-----------------------|-------------------|
| <input type="radio"/> | Aggregation |
| <input type="radio"/> | Composition |
| <input type="radio"/> | Separation |
| <input type="radio"/> | None of the given |
- 

Question # 20 of 30 (Start time: 01:01:09 AM, 27 June 2020)

Suppressed form of class representation contains:

Select the correct option


- | | |
|----------------------------------|--|
| <input type="radio"/> | Operations |
| <input checked="" type="radio"/> | Class Name  |
| <input type="radio"/> | Attributes |
| <input type="radio"/> | Interface Name |

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Question # 12 of 30 (Start time: 12:15:38 AM, 27 June 2020)

Member functions defined inside a class declaration are _____ by default.

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | Visible |
| <input type="radio"/> | Public  |
| <input type="radio"/> | Private |
| <input type="radio"/> | Protected |



Question # 18 of 30 (Start time: 02:58:35 AM, 27 June 2020)

A post-fix unary operator is implemented in C++ using member function with:

Select the correct option

- 1 dummy char argument
- 1 dummy int argument
- 1 dummy float argument
- None of the given options

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Question # 11 of 30 (Start time: 04:32:32 AM, 27 June 2020)

_____ is creating objects of one class inside another class.

Select the correct option

- | | |
|----------------------------------|-------------|
| <input type="radio"/> | Association |
| <input checked="" type="radio"/> | Composition |
| <input type="radio"/> | Aggregation |
| <input type="radio"/> | Inheritance |

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Question # 25 of 30 (Start time: 04:50:24 AM, 27 June 2020)

_____ is set of functions of an object exposed to other objects.

Select the correct option

- | | |
|----------------------------------|---------------|
| <input checked="" type="radio"/> | Interface |
| <input type="radio"/> | Encapsulation |
| <input type="radio"/> | Object Model |
| <input type="radio"/> | Abstraction |

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Question # 24 of 30 (Start time: 01:33:47 AM, 27 June 2020)

_____ is represented by a line with an unfilled diamond head towards the contained

Select the correct option

<input type="radio"/>	Inheritance
<input checked="" type="radio"/>	Association
<input type="radio"/>	Aggregation
<input type="radio"/>	Composition

Question # 4 of 30 (Start time: 04:24:29 AM, 27 June 2020)

Static Data Member is declared _____

Select the correct option

- | | |
|----------------------------------|----------------------|
| <input checked="" type="radio"/> | Inside the class |
| <input type="radio"/> | Outside the class |
| <input type="radio"/> | Inside main() method |
| <input type="radio"/> | None of the given |

Which of the following can be used as an alternative to static members?

Select the correct option

- Local Variables
- Global Variables
- Constant Variables
- Array of Objects

Question # 26 of 30 (Start time: 12:33:02 AM, 27 June 2020)

Which of the following can only be overloaded as member function of the class?

Select the correct option


- | | |
|-----------------------|--------------------------------|
| <input type="radio"/> | Equality operator: == |
| <input type="radio"/> | Inequality Operator: != |
| <input type="radio"/> | Function Operator: () |
| <input type="radio"/> | Stream Extraction Operator: >> |

Question 22 of 30 (Start time: 01:02:54 AM, 27 June 2020)

Total Marks: 1

How many objects are involved in the N-ary association?

Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | More than 1 |
| <input type="radio"/> | More than 2 |
| <input type="radio"/> | More than 3 |
| <input type="radio"/> | More than 4  |

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Question # 20 of 30 (Start time: 01:29:42 AM, 27 June 2020)

What is the general syntax of overloading Unary Operator as member function of the class?

Select the correct option

- | | |
|----------------------------------|--------------------------------------|
| <input type="radio"/> | TYPE & operator OP (int); |
| <input checked="" type="radio"/> | TYPE & operator OP (); |
| <input type="radio"/> | TYPE & operator OP (TYPE &); |
| <input type="radio"/> | TYPE & operator OP (TYPE &, TYPE &); |

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Question # 13 of 30 (Start time: 01:23:13 AM, 27 June 202

Through interface we access object's _____

Select the correct option


- | | |
|-----------------------|----------------|
| <input type="radio"/> | States |
| <input type="radio"/> | Data members ✓ |
| <input type="radio"/> | Behaviour |
| <input type="radio"/> | Class |

Question 7 19 of 30 (Start time: 12:59:29 AM, 27 June 2020)

Total Marks: 1

Which relationship exists between Cat and Animal class?

Select the correct option


- | | | |
|-----------------------|-------------|---|
| <input type="radio"/> | Inheritance |  |
| <input type="radio"/> | Aggregation | |
| <input type="radio"/> | Abstraction | |
| <input type="radio"/> | Association | |

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Question # 14 of 30 (Start time: 01:23:50 AM, 27 June 2020)

Which of the following statement(s) describes constant member functions?

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | Constant member functions cannot modify the state of any object. |
| <input type="radio"/> | They are just "read-only". |
| <input type="radio"/> | Errors due to typing are also caught at compile time. |
| <input type="radio"/> | All of the given options |
- 

Question # 28 of 30 (Start time: 04:53:40 AM, 27 June

Inheritance is the relationship between _____

Select the correct option


- | | |
|-----------------------|------------|
| <input type="radio"/> | Functions |
| <input type="radio"/> | Interfaces |
| <input type="radio"/> | Messages |
| <input type="radio"/> | Classes ✓ |

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Question # 22 of 30 (Start time: 12:28:17 AM, 27 June 2020)

What is meant by multiple inheritance?

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | Deriving a base class from derived class |
| <input type="radio"/> | Deriving a derived class from base class |
| <input type="radio"/> | Deriving a derived class from more than one base class |
| <input type="radio"/> | None of the given option |
- 

Question # 15 of 30 (Start time: 01:24:40 AM, 27 Jul

Which of the following is not a type of association?

Select the correct option


<input type="radio"/>	Polymorphism ✓
<input type="radio"/>	Aggregation
<input type="radio"/>	Composition
<input type="radio"/>	Simple Association

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Question # 12 of 30 (Start time: 01:22:15 AM, 27 June 2020)

Compiler generated default constructor is called _____ and user written default constructor is call

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | Compiler-defined, Implicit  |
| <input type="radio"/> | Explicit, User-defined |
| <input type="radio"/> | Explicit, Implicit |
| <input type="radio"/> | Implicit, Explicit |

Question # 29 of 30 (Start time: 01:37:59 AM, 27 June 2020)

Information hiding can be achieved through _____

Select the correct option

- | | |
|-----------------------|------------------------------|
| <input type="radio"/> | Encapsulation, Inheritance |
| <input type="radio"/> | Encapsulation, Polymorphism |
| <input type="radio"/> | Encapsulation, Abstraction ✓ |
| <input type="radio"/> | Encapsulation, Overloading |

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Question # 23 of 30 (Start time: 01:33:14 AM, 27 June 2020)

If you do not initialize static variable of int type then it is automatically initialized with _____

Select the correct option


- | | |
|----------------------------------|-------------------|
| <input checked="" type="radio"/> | 0 |
| <input type="radio"/> | 1 |
| <input type="radio"/> | Null |
| <input type="radio"/> | None of the given |

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Question # 4 of 30 (Start time: 01:41:26 AM, 27 June 2020)

In programming, where the actual actions are coded is called:

Select the correct option

<input type="radio"/>	Function declaration
<input type="radio"/>	Function calling 
<input type="radio"/>	Function definition
<input type="radio"/>	None of the given

Question # 26 of 30 (Start time: 01:35:36 AM, 27 June

An object has _____ interface(s)

Select the correct option

- | | |
|-----------------------|----------------------|
| <input type="radio"/> | No |
| <input type="radio"/> | Only one ✓ |
| <input type="radio"/> | Only two |
| <input type="radio"/> | One or more than one |

Question # 7 of 30 (Start time: 01:18:11 AM, 27 June 2020)

In which of the following OOP paradigm objects can exist independently?

Select the correct option

<input type="radio"/>	Polymorphism
<input type="radio"/>	Inheritance
<input type="radio"/>	Composition
<input type="radio"/>	Aggregation ✓

Question # 30 of 30 (Start time: 04:55:19 AM, 27 June 2020)

In C++, which of the following is defined as stream insertion operator?

Select the correct option

- <<
- >>
- *>
- *<

Question # 30 of 30 (Start time: 04:55:19 AM, 27 June 2020)

In C++, which of the following is defined as stream insertion operator?

Select the correct option


- <<
- >>
- *>
- *<

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Question # 16 of 30 (Start time: 01:25:46 AM, 27 June 2020)

If our class involves dynamic memory and we don't write Deep copy constructor for this class, ...

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | System may crash |
| <input type="radio"/> | Memory leakage |
| <input type="radio"/> | Dangling pointer |
| <input type="radio"/> | All of the given  |

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Question # 2 of 30 (Start time: 01:39:38 AM, 27 June 2020)

The functions defined inside the class are by default _____.

Select the correct option

- | | |
|-----------------------|----------|
| <input type="radio"/> | Public |
| <input type="radio"/> | Inline |
| <input type="radio"/> | Constant |
| <input type="radio"/> | Static |

Question 11 of 30 (Start time: 12:51:32 AM, 27 June 2020)

Total Marks: 1

In Object Oriented programming, objects communicate with each other through _____

Select the correct option


- | | |
|----------------------------------|--------------|
| <input checked="" type="radio"/> | Messages |
| <input type="radio"/> | Data members |
| <input type="radio"/> | Voice chat |
| <input type="radio"/> | Ports |

Question 7 of 30 (Start time: 12:48:25 AM, 27 June 2020)

Total Marks:

Choose the correct statement.

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | Constructors cannot be const. |
| <input type="radio"/> | Destructors cannot be const. |
| <input type="radio"/> | Constructors and Destructors are used to modify the object to a well-defined state. |
| <input type="radio"/> | All of the given options  |

Question # 27 of 30 (Start time: 01:36:41 AM, 27 Jun

Consider the following code segment:

```
class test
{
    int a;
    int b;
    int c;
```

Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input type="radio"/> | 5, 5, 5 |
| <input checked="" type="radio"/> | 5, Junk value, 5 ✓ |
| <input type="radio"/> | Junk value, 5, Junk value |
| <input type="radio"/> | Junk value, 5, 5 |

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Question # 22 of 30 (Start time: 01:31:40 AM, 27 June 2020)

_____ is the relationship between the "part" object and the "whole" object.

Select the correct option

<input type="radio"/>	Inheritance
<input type="radio"/>	Association
<input type="radio"/>	Polymorphism
<input type="radio"/>	Composition ✓

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Question # 30 of 30 (Start time: 01:38:33 AM, 27 J

Abstraction provides information according to _____

Select the correct option


- | | |
|----------------------------------|---------------------|
| <input type="radio"/> | User perspective |
| <input checked="" type="radio"/> | Owner perspective ✓ |
| <input type="radio"/> | Random information |
| <input type="radio"/> | All information |

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Question # 17 of 30 (Start time: 01:26:54 AM, 27 June 2020)

_____ remain in memory even when all objects of a class have been destroyed.

Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | Static Variables |
| <input type="radio"/> | Instance Variables |
| <input type="radio"/> | Primitive Variables |
| <input type="radio"/> | None of the given  |

Question 17 of 30 (Start time: 12:57:08 AM, 27 June 2020)

Total Marks: 1

In expression $c1*c2+c3-c4$ which of the following will be executed in first order?

Select the correct option


- | | |
|-----------------------|----------|
| <input type="radio"/> | $c1*c2$ |
| <input type="radio"/> | $c2+c3$ |
| <input type="radio"/> | $c3 -c4$ |
| <input type="radio"/> | $c1-c4$ |

Question 7 of 30 (Start time: 12:41:46 AM, 27 June 2020)

Total Marks: 1

How can we identify classes from a given problem statement?

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | By extracting Nouns from problem statement |
| <input type="radio"/> | By extracting Verbs from problem statement |
| <input type="radio"/> | By extracting Adjectives from problem statement |
| <input type="radio"/> | All of the given options  |

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Question # 2 of 30 (Start time: 12:03:44 AM, 27 June 2020)

_____ represents "IS A" relationship.

Select the correct option


- | | |
|----------------------------------|--------------------|
| <input type="radio"/> | Simple Association |
| <input checked="" type="radio"/> | Inheritance ✓ |
| <input type="radio"/> | Composition |
| <input type="radio"/> | Aggregation |

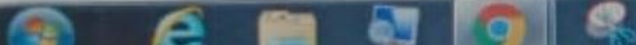
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Question # 10 of 30 (Start time: 12:13:34 AM, 27 June 2020)

Suppose Person is a class, which of the following statements defines object of class Person?

Select the correct option

- | | | |
|-----------------------|-----------------------|---|
| <input type="radio"/> | Create Person object; |  |
| <input type="radio"/> | Define Object; | |
| <input type="radio"/> | Person person; | |
| <input type="radio"/> | Object Person; | |



Question # 17 of 30 (Start time: 12:21:50 AM, 27 June 2020)

_____ is represented by a line with a filled diamond head towards the composer object.

Select the correct option

- | | |
|----------------------------------|--------------|
| <input type="radio"/> | Inheritance |
| <input checked="" type="radio"/> | Composition |
| <input type="radio"/> | Association |
| <input type="radio"/> | Polymorphism |

Question # 28 of 30 (Start time: 12:34:53 AM, 27 June 2020)

Which of the following concept is more close to encapsulation?

Select the correct option

- | | |
|-----------------------|----------------------|
| <input type="radio"/> | Exception Handling |
| <input type="radio"/> | Inheritance |
| <input type="radio"/> | Polymorphism |
| <input type="radio"/> | Information Hiding ✓ |

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Question # 13 of 30 (Start time: 12:17:08 AM, 27 June 2020)

Consider the following code segment:

```
class test
{
  int a;
  int b;
  int c;
```


Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input type="radio"/> | 5, 5, 5 |
| <input checked="" type="radio"/> | 5, Junk value, 5 |
| <input type="radio"/> | Junk value, 5, Junk value |
| <input type="radio"/> | Junk value, 5, 5 |

Question # 24 of 30 (Start time: 01:05:11 AM, 27 June 2020)

Which of the following operator(s) take(s) one or no argument if overloaded?

Select the correct option

- | | |
|-----------------------|--------------------------|
| <input type="radio"/> | ++ |
| <input type="radio"/> | * |
| <input type="radio"/> | % |
| <input type="radio"/> | All of the given choices |
- 

Suppose a class does not have any constructor. What will happen when an object of this class is created?

Select the correct option

- Compiler will generate syntax error.
- Run time error will occur.
- Compiler will call implicit default constructor.
- None of the given options

Question # 15 of 30 (Start time: 12:19:35 AM, 27 June 2020)

If you have three classes in a C++ program A, B, and C where class A inherits from class B, then class _____ contains all the characteristics of class _____

Select the correct option

B, A



A, B

A, C

B, C

Suppose you have following C++ statements:

```
int oldValue=10;
```

```
int newValue = oldValue ++;
```

What will be the value of oldValue and newValue after executing above statements?

Select the correct option

oldValue= 11 , newValue=11

oldValue= 10 , newValue=10

oldValue= 11 , newValue=10

oldValue= 10 , newValue=11



Inheritance is shown by:

Select the correct option



Open head arrow



Filled arrow



Single Line




Bi-directional

Question 4 of 30 (Start time: 12:43:20 AM, 27 June 2020)

To

Aggregation between objects shows that_____

Select the correct option

- Objects have strong relationship
- Objects have weak relationship 
- Objects have no relationship
- Objects have hierarchical relationship

Question # 17 of 30 (Start time: 02:57:12 AM, 27 June

Hiding the implementation details makes program:

Select the correct option

- | | |
|-----------------------|-----------------------|
| <input type="radio"/> | Easy to understand ✓ |
| <input type="radio"/> | More complex |
| <input type="radio"/> | Provide more features |
| <input type="radio"/> | Logical |

_____ Operator is used to create objects at run time.

Select the correct option


- | | |
|----------------------------------|-----------|
| <input type="radio"/> | create |
| <input checked="" type="radio"/> | new |
| <input type="radio"/> | dynamic |
| <input type="radio"/> | subscript |

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Question # 22 of 30 (Start time: 12:28:17 AM, 27 June 2020)

What is meant by multiple inheritance?

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | Deriving a base class from derived class |
| <input type="radio"/> | Deriving a derived class from base class |
| <input type="radio"/> | Deriving a derived class from more than one base class  |
| <input type="radio"/> | None of the given option |

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Question # 28 of 30 (Start time: 01:37:23 AM, 27 June 2020)

Which of the following best describes relationship between Book and BookChapter classes?

Select the correct option

<input type="radio"/>	Aggregation
<input checked="" type="radio"/>	Composition
<input type="radio"/>	Association
<input type="radio"/>	Inheritance

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Question # 1 of 30 (Start time: 01:38:36 AM, 27 June 2020)


Suppose you have following C++ statements:

```
int oldValue=10;
```

```
int newValue = oldValue ++;
```

What will be the value of oldValue and newValue after executing above statements?

Select the correct option

- | | |
|-----------------------|----------------------------|
| <input type="radio"/> | oldValue= 11 , newValue=11 |
| <input type="radio"/> | oldValue= 10 , newValue=10 |
| <input type="radio"/> | oldValue= 11 , newValue=10 |
| <input type="radio"/> | oldValue= 10 , newValue=11 |
- 

Question 1 of 30 (Start time: 12:38:02 AM, 27 June 2020)

In OOP we can achieve reusability through?

Select the correct option



Inheritance



Encapsulation



Aggregation



Association

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Question # 4 of 30 (Start time: 01:14:36 AM, 27 June 2020)

Memory is allocated to non static members only, when:

Select the correct option

- | | |
|----------------------------------|-----------------------|
| <input checked="" type="radio"/> | Class is created |
| <input type="radio"/> | Program is compiled |
| <input type="radio"/> | Object is initialized |
| <input type="radio"/> | Object is created |

Question 7 of 30 (Start time: 01:10:10 AM, 27 June 2020)

Extension or subtyping is _____ approach.

Select the correct option

- | | |
|-----------------------|--------------|
| <input type="radio"/> | Bottom-up |
| <input type="radio"/> | Top-bottom ✓ |
| <input type="radio"/> | Right-Left |
| <input type="radio"/> | Left-Right |

Question # 1 of 30 (Start time: 01:11:46 AM, 27 June 2020)

How can we differentiate between constructors and destructors?

Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | Destructors have a return type but Constructors do not have return type. |
| <input type="radio"/> | Destructors can't be defined by the programmer, but Constructors can be defined by the programmer. |
| <input type="radio"/> | Destructors are preceded with a tilde (~) symbol, and Constructors are not preceded with any symbol |
| <input type="radio"/> | Destructors are exactly same as Constructors in syntax |



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Question # 3 of 30 (Start time: 01:13:55 AM, 27 June 2020)

In order to make any function constant, keyword const is placed at the _____ of the parameter list.

Select the correct option

<input type="radio"/>	Beginning
<input checked="" type="radio"/>	Middle
<input type="radio"/>	End
<input type="radio"/>	None of the given

Abstraction provides information according to _____.

Select the correct option

User perspective

Owner perspective

Random information

All information

Question 18 of 30 (Start time: 12:57:51 AM, 27 June 2020)

Total Marks: 1

An object has attributes, operations, and _____.

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Select the correct option

- | | |
|-----------------------|-------------------|
| <input type="radio"/> | Unique Identity ✓ |
| <input type="radio"/> | Behavior |
| <input type="radio"/> | Characteristics |
| <input type="radio"/> | All of these |

Question # 26 of 30 (Start time: 01:08:04 AM, 27 June 2020)

Total Marks: 1

In which of the following way(s), we can inherit a class from another class in C++?

Select the correct option

- | | |
|-----------------------|----------------------------|
| <input type="radio"/> | Private |
| <input type="radio"/> | Public |
| <input type="radio"/> | Protected |
| <input type="radio"/> | All of the given options ✓ |

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Question # 13 of 30 (Start time: 12:17:08 AM, 27 June 2020)

Consider the following code segment:

```
class test
{
    int a;
    int b;
    int c;
```

Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input type="radio"/> | 5, 5, 5 |
| <input type="radio"/> | 5, Junk value, 5 |
| <input checked="" type="radio"/> | Junk value, 5, Junk value |
| <input type="radio"/> | Junk value, 5, 5 |

Question # 25 of 30 (Start time: 01:06:50 AM, 27 June 2020)

_____ is the weakest link between objects.

Select the correct option



Inheritance



Polymorphism



Composition



Simple Association



Question # 16 of 30 (Start time: 12:55:59 AM, 27 June 2020)

Hiding the implementation details makes program:


Select the correct option

- | | |
|----------------------------------|-----------------------|
| <input checked="" type="radio"/> | Easy to understand |
| <input type="radio"/> | More complex |
| <input type="radio"/> | Provide more features |
| <input type="radio"/> | Logical |

Question # 14 of 30 (Start time: 12:18:13 AM, 27 June 2020)

Student *ptr = new Student("Ali"); is an example of _____.

Select the correct option

- | | |
|-----------------------|---------------------------|
| <input type="radio"/> | Static memory allocation |
| <input type="radio"/> | Dynamic memory allocation |
| <input type="radio"/> | Destructor |
| <input type="radio"/> | Constructor |
- 

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Question # 5 of 30 (Start time: 12:07:23 AM, 27 June 2017)

Composition is _____ relationship.

Select the correct option

- | | |
|-----------------------|------------|
| <input type="radio"/> | Is a |
| <input type="radio"/> | Is kind a |
| <input type="radio"/> | Has |
| <input type="radio"/> | Part-Whole |



Question # 24 of 30 (Start time: 12:30:53 AM, 27 June 2020)

The relationship between container and contained object is known as _____.


Select the correct option

- | | |
|-----------------------|-------------|
| <input type="radio"/> | Inheritance |
| <input type="radio"/> | Association |
| <input type="radio"/> | Composition |
| <input type="radio"/> | Aggregation |

Question # 19 of 30 (Start time: 12:24:43 AM, 27 June 2020)

Information hiding can be achieved through _____


Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | Encapsulation, Inheritance |
| <input type="radio"/> | Encapsulation, Polymorphism |
| <input type="radio"/> | Encapsulation, Abstraction  |
| <input type="radio"/> | Encapsulation, Overloading |

Question # 23 of 30 (Start time: 12:29:26 AM, 27 June 20

Through interface we access object's _____

Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | States |
| <input type="radio"/> | Data members |
| <input type="radio"/> | Behaviour |
| <input type="radio"/> | Class  |

Question 7 of 30 (Start time: 12:53:13 AM, 27 June 2020)

Identify the common attributes of the given scenario:

Circle has color, vertices, and radius.

Triangle has color, vertices, and angle.

Select the correct option

- | | |
|----------------------------------|------------------|
| <input checked="" type="radio"/> | Color, Vertices |
| <input type="radio"/> | Vertices, Radius |
| <input type="radio"/> | Color, Angle |
| <input type="radio"/> | Vertices, Radius |

Question # 27 of 30 (Start time: 01:09:05 AM, 27 June 2020)

Mermaid is an example of:

Select the correct option



Single inheritance



Polymorphism



Specialization




Multiple Inheritance



Question # 12 of 30 (Start time: 02:50:45 AM, 27 June 2020)

In an OOP model private information should only be accessible to its _____


Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | Owner  |
| <input type="radio"/> | Outside World |
| <input type="radio"/> | Objects |
| <input type="radio"/> | Class |

Question # 12 of 30 (Start time: 02:50:45 AM, 27 June 2020)

In an OOP model private information should only be accessible to its _____

Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | Owner  |
| <input type="radio"/> | Outside World |
| <input type="radio"/> | Objects |
| <input type="radio"/> | Class |

Question # 18 of 30 (Start time: 12:23:17 AM, 27 June 2020)

Total Marks:

Consider the following call of an overloaded operator "+" for Complex class:
 $C1 + C2$

Where "+" is overloaded as member function of class Complex and C1 and C2 are the two objects of Complex class. Identify which of the above two objects will be passed as an argument to the overloaded operator function?

Select the correct option

- C1
- C2
- Both C1 and C2
- Any of the two objects, randomly



How many objects are involved in the N-ary association?

Select the correct option



More than 1



More than 2



More than 3



More than 4

Question 7 15 of 30 (Start time: 12:55:12 AM, 27 June 2020)

Total Marks: 1

In _____, base class can be replaced by the derived class.

Select the correct option

- | | |
|----------------------------------|-------------|
| <input type="radio"/> | Aggregation |
| <input checked="" type="radio"/> | Inheritance |
| <input type="radio"/> | Dependency |
| <input type="radio"/> | Extension |

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Question # 2 of 30 (Start time: 01:13:20 AM, 27 June 2020)

How many objects are involved in the Binary association?

Select the correct option

- | | |
|----------------------------------|-----|
| <input checked="" type="radio"/> | 1 |
| <input type="radio"/> | 2 ✓ |
| <input type="radio"/> | 3 |
| <input type="radio"/> | 4 |

Question # 16 of 30 (Start time: 12:20:49 AM, 27 June 2020)

Consider the statement "room has chair" Which of the following type of association exists between room and chair?

Select the correct option

- | | |
|-----------------------|-------------------------|
| <input type="radio"/> | Inheritance |
| <input type="radio"/> | Composition |
| <input type="radio"/> | There is no association |
| <input type="radio"/> | Aggregation |

Question 7 of 30 (Start time: 01:02:03 AM, 27 June 2020)

Total Marks: 1

"A fan has wings". Which type of relation exists between fan and wings in this sentence?

Select the correct option

<input type="radio"/>	Aggregation
<input type="radio"/>	Association
<input type="radio"/>	Generalization
<input type="radio"/>	Composition 