When the base class can not be replaced by its derived class then it is called,

Answer (Please select your correct option)

○ Sub-typing

○ Super-typing

○ Generalization

○ Specialization

The property of an object which distinguish it from other objects is called,

Answer (Please select your correct option)

○ Messages

○ Identity

○ Interface

○ Behavior

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?

Answer (Please select your correct option)

○ The automatic assignment operator is used

○ The copy constructor is used

○ Compiler error

○ Run-time error

Due to _____, a generic class can show all the common attributes and behavior of other classes.

Answer (Please select your correct option)

○ Inheritance

○ Encapsulation

○ Polymorphism

○ Abstraction

Which of the following is a weak relationship between two objects?

Answer (Please select your correct option)

○ Inheritance

○ Composition

○ Aggregation

○ Association

Which of the following is directly related to polymorphism?

Answer (Please select your correct option)

○ Const members

○ Overriding

○ Static members

○ Const members functions

A member function having the same name as the class name preceded by a tilde (~) sign is called _____.

Answer (Please select your correct option)

○ Destructor

○ Constructor

○ Getter

○ Setter

Made By: Waqar Siddhu

Marks: 1 (Budgeted Time 1 Min)

Separation of implementation from interface provides the facility to restrict the _____ from direct access.

Answer (Please select your correct option)

○ Data member

○ Data function

○ Class

○ Object

Made By: Waqar Siddhu

_____ and _____ methods may not be declared abstract.

Answer (Please select your correct option)

○ Private,Static

○ Private,Public

○ Static,Public

○ Static, Protected

Static data members are called _____ variable.

Answer (Please select your correct option)

○ Class

○ Object

○ Structure

○ Premitive

Identify which of the following overloaded operator function's declaration is appropriate for the given call?
Rational_number_1 + 2.325
Hint: Where Rational_number_1 is an object of user defined class Rational_number.

Answer (Please select your correct option)

○   Rational_number operator+(Rational_number & obj);

○   Rational_number operator+(double& obj);

○   Rational_number operator+(Rational_number &obj, double& num);

○   operator+(double& obj);

A class can be identified from a statement by ------------.

Answer (Please select your correct option)

○ Noun

○ Pronoun

○ Verb

○ Adverb

"This" pointer returns:

Answer (Please select your correct option)

○ Reference of previous object

○ Reference of preceded object

○ Reference of current object

○ Reference of next object

Which of the following is **NOT** an advantage of information hiding?

Answer (Please select your correct option)

○ Simplifies the model

○ Restriction to change

○ Prevents damage from errant external code

○ Provide direct access to data members

Assume that a user wants to count, how many objects are created for a particular class, which one will be most suitable to perform this task:

Answer (Please select your correct option)

○   Const data member

○   Non static data member

○   Static data member

○   Global data member

Operator overloading is:

Answer (Please select your correct option)

○ Making C++ operators able to work with objects.

○ Giving C++ operators more than they can handle.

○ Giving new meanings to existing Class members.

○ Making new C++ operators.

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

Answer (Please select your correct option)

○ Name

○ Age

○ Work()

○ Both Name and Age

In the following operators, the _____ operator can be overloaded.

Answer (Please select your correct option)

○ %

○ ##

○ ?:

○ .

While overloading the stream extraction operator, the return type must be _____.

Answer (Please select your correct option)

○ Ostream

○ Iostream

○ Istream

○ Instream

To overload subscript operator, it requires one _____ type parameter.

Answer (Please select your correct option)

○ Int

○ Float

○ Char

○ String

Friend functions minimize "Encapsulation", What is your opinion?

Answer (Please click here to Add Answer)

If, within a class, **marks** is a member variable, will the statement **this.marks=37;** assign 37 to **'marks'**?

Answer (Please click here to Add Answer)

Consider the class given below you have to overload stream insertion (<<) and stream extraction operators (>>) for this class.
class Circle{

    int x,y;
    int radius;

Answer (Please click here to Add Answer)

```
public:
    Circle(int a, int b, int c): x(a),y(b),radius(c){}

    friend ostream & operator << (ostream & os, const Circle & c);
    friend istream & operator >> (istream & os, Circle & c);
```

Answer (Please click here to Add Answer)

What will be output after executing following lines of code, (suppose there is no error and code will be executed correctly), justify your answer as well:

```
class Employee {
public:
static int noOfEmployee;
Employee(){
```

Answer (Please click here to Add Answer)

```
noOfEmployee++;
}
~Employee(){
noOfEmployee--;
}
};
```

Answer (Please click here to Add Answer)

```
};
int Employee::noOfEmployee=0;
int main(){
Employee E1;
{
Employee E2;{
```

Answer (Please click here to Add Answer)

```
`
Employee E2;{
Employee E3;
}
}
cout<<"Total No of Employees are:"<<Employee::noOfEmployee;
}
```

Answer (Please click here to Add Answer)

Write c++ code to overload **subscript[]** operator for **String class.**

Answer (Please click here to Add Answer)

In a class of "Student" lets suppose there is a constant data member "const char name". As it keeps constant then, at the time of execution/creation of this constant data member for any particular object, so write C++ code that how is it possible for a user to give first time value (user name) to this data member?

Answer (Please click here to Add Answer)

Q.No=answer	page
1=d	32
2=c	17
3=b	moazz
4=a	25
5=c	54
6=b	google
7=a	92
8=c	99
9=d	my idea
10=b	110
11=b	moazz
12=a	58
13=a	97
14=d	logic
15=c	110
16=a	idea
17=d	13
18=a	144
19=c	158
20=a	164