Quiz 23 Section A

OOP Section-A Quiz
Note: There might be MCQs with more than 1 option correct you need to mark the option which you think is closest one.

The respondent's email (**bsse23048@itu.edu.pk**) was recorded on submission of this form.

Which of these features of OOP would indicate code reusability? *   1 point

◯ Polymorphism

◯ Abstraction

🔘 Inheritance

◯ Encapsulation

What would be output of following code snippet? *   1 point

```
#include <iostream>
using namespace std;

class Base {
public:
    virtual void show() { cout << "Base class\n"; }
};

class Derived: public Base {
public:
    void show() { cout << "Derived class\n"; }
};

int main() {
    Base* b;
    Derived d;
    b = d;
    b->show();
    return 0;
}
```

◉ Error

○ Derived Class

○ Base Class

○ No Output

Which of these specifiers would be applied to the constructors only? *   1 point

○ Implicit

○ Protected

⦿ Public

○ Non of these

The access specifier that is/are the most secure during inheritance is/are *   1 point

○ Protected

⦿ Private

○ Default

○ Default & Private

If in case, in multiple inheritances, a class R would inherit the Class Q, while Class Q   * 1 point
would inherit the class P, then in which sequence would their destructors be called in case
we declare an object of Class R?

○ ~R() then ~P() then ~Q()

○ ~P() then ~Q() then ~R()

○ ~Q() then ~R() then ~P()

⦿ ~R() then ~Q() then ~P()

What is the name of the feature in which we enforce the definitions of the abstract function at the compile time? * 1 point

○ All of these

○ Dynamic or Static Polymorphism according to need

◉ Static Polymorphism

○ Dynamic Polymorphism

*

1 point

Which of the following is not a type of inheritance?

class Car
{ public: virtual void start() = 0; };

○ Non of these

○ Association

◉ Encapsulation

○ Abstraction

Copy constructor must receive its arguments by? *   1 point

○ pass by value

○ pass by address

◉ pass by reference

○ pass by reference or pass by address

What is the output of the following C++ code if the input is "7 14"?   *   1 point

```
#include <iostream> using namespace std; template<typename T> void swap(T a, T b)
{ T temp = a;
 a = b;
 b = temp; }

 int main() {
 int x, y;
 cin >> x >> y;
 swap(x, y);
 cout << x << y;
 return 0; }
```

🔘 7 14

⚪ 714

⚪ 147

⚪ error

Which of these inheritances is shown in case we inherit some base class from another   * 1 point
class, then one of the classes derives it?

⚪ Single

🔘 Multi level

⚪ Multiple

⚪ Hierarchical

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