Class Test- II

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Which among the following is correct for the following code?class A{ public : class B { public : B(int i): data(i) { } int data; }};class C: public A{ class D:public A::B{ };};

○ Multi-level inheritance is used, with nested classes

○ Multiple inheritance is used, with nested classes

○ Single level inheritance is used, with enclosing classes

◉ Single level inheritance is used, with both enclosing and nested classes

Clear selection

If class A has two nested classes B and C. Class D has one nested class E, and have inherited class A. If E inherits B and C, then _____

○ t shows multiple inheritance

○ It shows hierarchical inheritance

○ It shows multiple inheritance

◉ Multiple inheritance among nested classes, and single level for enclosing classes

Clear selection

Which type of inheritance cannot involve private inheritance?

○ Single level

○ Multiple

○ Hybrid

◉ All types can have private inheritance

Clear selection

What is the difference between protected and private access specifiers in inheritance?

◉ protected member is inheritable and also accessible in derived class

○ private member is not inheritable and not accessible in derived class.

○ Both are inheritable but private is accessible in the derived class.

○ Both are inheritable but protected is not accessible in the derived class.

Clear selection

Which method in the code below is single level inherited?class A{ protected int a, b; public: void show() { cout<<a<<b; }};class B: public A{ public: void disp() { cout<<a++<<b++; }};class C: private A, public B{ void avg() { cout<< (a+b)/2; }};

○ Class A

◉ Class B

○ Class C

○ None

Clear selection

What is the output of the following program?class A{ protected: int a,b; public:
void disp() { cout<<a<<b; }};class B:public A{ int x,y;};

◯ Garbage value

🔘 Compile time error

◯ Runtime error

◯ Runs but gives random values as output

Clear selection

Single level inheritance will be best for_____

◯ Inheriting a class which performs all the calculations

🔘 Inheriting a class which can print all the calculation results

◯ Inheriting a class which can perform and print all calculations

◯ Inheriting all the classes for different calculations

Clear selection

Which Class is having highest degree of abstraction in multilevel inheritance of 5
levels?

🔘 Class at 1st level

◯ Class 2nd last level

◯ Class at 5th level

◯ All with same abstraction

Clear selection

What is the minimum number of levels for a implementing multilevel inheritance?

○ 1

○ 2

◉ 3

○ 4

Clear selection

How many abstract classes can be used in multilevel inheritance?

○ Only 1

○ Only 2

◉ At least one less than number of levels

○ Can't be used

Clear selection

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