

OOP Section (E)**Name:****Roll No. :****Quiz 6****06-Dec-2022**

Q2. What would be the output produced by executing the following C++ code? [10]

S no.	Question	Output
2.1	<pre>#include <iostream> using namespace std; class A { public: A(){ cout<<"A"<<endl;} virtual void show(){ cout << "Hello from A" << endl; } virtual ~A(){ } }; class B: public A { public: B(){ cout<<"B"<<endl;} virtual void show(){ cout << "Hello from B" << endl; } virtual ~B(){ cout<<"B's destructor"<<endl;} }; class C: public B { public: void show() {</pre>	<p>A</p> <p>B</p> <p>Hello from display</p> <p>A</p> <p>B</p> <p>E</p> <p>Hello from display</p> <p>E1</p> <p>C's destructor</p> <p>B's destructor</p> <p>(1 marks for each)</p> <p>The output should be in sequence</p>

	<pre> cout << "C" << endl; } virtual void display()=0; ~C(){ cout<<"C's destructor"<<endl;} }; class D:public C { public: void show() { cout << "Show from D" << endl; } void display(){ cout << "Hello from display" << endl; } }; class E:public D { public: E(){ cout<<"E"<<endl;} void display() { D::display(); cout << "E1" << endl; } }; int main() { D d; C* obj; obj = &d; obj -> display(); obj = new E; obj -> display(); return 0; }</pre>	
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