**OOP Section (B) Quiz 6 and 7**

**Name: 04-Dec-2023**

**Roll No. :**

Q2. What would be the output produced by executing the following C++ code? [5 + 5]

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| S no. | **Question** | **Output** |
| 1.1 | #include <iostream>  using namespace std;  class A  {  public:  A(){  cout<<"A"<<endl;}  virtual void show(){  cout << "Hello from A" << endl;  };  ~A(){  cout<<"A's destructor"<<endl;}  };  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 A  {  public:  void show()  {  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()  {  C\* obj = new E;  obj -> display();  delete obj;  D d;  obj = &d;  obj -> display();  return 0;  } | **A**  **E**  **Hello from display**  **E1**  **C's destructor**  **A's destructor**  **A**  **Hello from display**  **C's destructor**  **A's destructor**  **(1 mark for each)**  **Sequence matters a lot**  **5 marks for quiz 6**  **5 marks for quiz 7** |