**Name: Id: Sec:**

**Part A: Draw appropriate Class Notation for the following class: 5**

ABC Bank has a digital system to manage all of their operations. Their system has a class named Account. The class has AccountNo, AccountHolderName and Balance as attributes and they are of text, text and double type respectively. AccountNo must be of 12 characters in length and is assigned by the system. There is also a derived attribute named AccHolderAge of integer type. All of the above attributes are private. The class has three public operations. Among them withdrawMoney(double amount) and depositAmount(double amount) returns nothing and getBalance( ) returns the Balance. The operation withdrawMoney(double amount) will not work if the balance is less than amount.

**Name: Id: Sec:**

**Part B: Draw a Class Diagram for the following case scenario: 10**

A member can be of three types- potential member, past member and club member. Club members place orders for products. None or many products can be ordered by a Club member. Products can be club souvenirs or CDs. CDs can be audio CD, Video CD or Game CD. There is an agreement for each member. A single agreement can be made for more than one member, but all the members must sign the agreement. Members can book club facilities. Club facilities are courts, tables and halls. Courts are Badminton court and Tennis Court. Tables are for Tennis and Pool.