Q1

```
//
//  practice_1.cpp
//
//
//  Created by Mudit Virmani on 28/08/20.
//

#include <iostream>
#include <string.h>
using namespace std;

class Time
{
private:
   int hour,min,sec;

public:
   Time()
   {

      hour=0;
      min=0;
      sec=0;
   }

   Time(int h,int m,int s)
   {
      h=hour;
      m=min;
      s=sec;
   }

   void add(Time a,Time b)
   {
      Time n;
      n.hour=b.hour+a.hour;
      n.min=b.min+a.min;
      n.sec=b.sec+a.sec;

      putTime();
   }
```

```
   void getTime()
   {   cout<<"Enter no. of hours:";
       cin>>hour;
       cout<<"Enter no. of minutes:";
       cin>>min;
       cout<<"Enter no. of seconds:";
       cin>>sec;

   }
   void putTime()
   {

       if(min>60)
       {
          hour+=1;
       }
       if(sec>60)
       {
          min+=1;
       }
       cout<<"Time is - "<<hour<<":"<<min<<":"<<sec<<endl;
   }

};
   int main()
{
   Time t1(10,5,32);

   t1.putTime();

   Time t2(5,10,34);

   t2.putTime();

   Time t3;
   t3.getTime();
   t3.putTime();
   Time t4;
   t4.add(t2, t3);
}
```

Q2.

Output-A’s constructor called.

Q3.

Compile time error since members of class are private and cannot be accessed outside the class.

Q4.

ALL 123 ARE CORRECT

Q5.

```
//
//  practice_2.cpp
//
//
//  Created by Mudit Virmani on 28/08/20.
//

#include<iostream>

using namespace std;
class student
{   public:

    int l;
    int *marks;
    student()
    {

        l=0;
    }
    student(int m,int *marks)
    {
        l=m;
        marks=new int[m];
    }
    void insert()
    {
        cout<<"Enter no. of students : ";
        cin>>l;
        marks=new int[l];
```

```
        for(int i=0;i<l;i++)
        {
            cout<<"Enter marks of student "<<i+1<<" :";
            cin>>*(marks + i);

        }

    }
    void print()
    {
        for(int i=0;i<l;i++)
        {
        cout<<"Marks of student "<<i+1<<"is:"<<*(marks +
i)<<endl;

        }

    }
    void del()
    {

        cout<<"values deleted:"<<endl;
        for(int i=0;i<l;i++){

            cout<<marks[i]<<endl;
        }
        cout<<endl;
        delete [] marks;
    }
};
int main()
{
    student s;
    s.insert();
    s.print();
    s.del();
}
```

Output-

```
Enter no. of students : 2
Enter marks of student 1 :99
Enter marks of student 2 :98
Marks of student 1is:99
Marks of student 2is:98
values deleted:
99
98

Program ended with exit code: 0
```