

Question 4

Define a class in C++ with following description:

Private Members

A data member Flight number of type integer

A data member Destination of type string

A data member Distance of type float

A data member Fuel of type float

A member function CALFUEL() to calculate the value of Fuel as per the following criteria

Distance

Fuel

≤ 1000

500

more than 1000 and ≤ 2000

1100

more than 2000

22

00

Public Members

A function FEEDINFO() to allow user to enter values for Flight Number, Destination, Distance & call function CALFUEL() to calculate the quantity of Fuel

A function SHOWINFO() to allow user to view the content of all the data members

solution

```
#include<iostream.h>
```

```
#include<conio.h>
```

```
#include<stdio.h>
```

```
class TEST
{
private:
    int TestCode;
    char Description[30];
    int NoCandidate;
    int CenterReqd;
    int CALCNTR()
    {
        return NoCandidate/100+1;
    }
public:
    void SCHEDULE();
    void DISPTEST();
};

void TEST::SCHEDULE()
{
    cout<<"Enter Test code ";
    cin>> TestCode;
    cout<<"Enter description ";
    gets(Description);
    cout<< "Enter no of candidates ";
    cin>>NoCandidate;
    CenterReqd=CALCNTR();
}
```

```
void TEST :: DISPTTEST()  
{  
    cout<<"Test code "<<TestCode<<"\nDescripton "<<Descript  
    <<NoCandidate<<"\nCenter required "<<CenterReqd;
```

```
int main ()  
{  
    TEST obj;  
    obj.SCHEDULE();  
    obj.DISPTTEST();  
    getch();  
    return 0;  
}
```