

A. What will be the O/P of the following code segments? Identify the bugs if any and re-run *it with corrected code*.

1. #include <iostream>

#include <iostream>

using namespace std;

class Numbers {

int a, b, c, d;

public:

Numbers(int x, int y, int z, int w) {

a = x; b = y; c = z; d = w;

}

};

int findMax(Numbers n); // not a friend

int findMax(Numbers n) {

return max(max(n.a, n.b), max(n.c, n.d));

}

int main() {

Numbers obj(10, 25, 5, 18);

cout << findMax(obj);

}

2. #include <iostream>

using namespace std;

class mytime

{

int hrs;

int mins;

public:

mytime(){}
mytime(int t = 78)

{

hrs = t/60;

mins = t%60;

}

void disp()

{

cout<<"\n\tIt's "<<hrs<<":"<<mins<<" now";

```

    }
};
int main()
{
    mytime t;
    int drn = 85;
    t = drn;
    t.disp();
}

```

3. #include <iostream>
using namespace std;

```

class Numbers {
    int a, b, c, d;
public:
    Numbers(int a, int b, int c, int d) {
        a = a;
        b = b;
        c = c;
        d = d;
    }

    Numbers() {
        Numbers(10, 20, 30, 40); // constructor call ambiguity
    }

    int sum() {
        return a + b + c + d;
    }
};

int main() {
    Numbers n;
    cout << "Sum = " << n.sum();
    return 0;
}

```

B. Write a program for ticket reservation. Define a class ticket having the private ticket-no, number of seats, rate, total price. Define public member functions to initialize the data members during object creation; to display the values of the data members; to compute the total price. The ticket no. of a

ticket object should be automatically generated by the system. Define another class admin who has to generate the ticket for a given ticket object.

SRD - OOP 10th feb 2026