

ID. No \* 16035

Semester \* 2nd

Subject \* Object Oriented Programming

Degree \* BS (cs)

Q1

ANS: Class:- A class is a user defined blueprint or prototype which objects are created. It represents the set of properties or methods that are common to all objects of one.

A class is an extensible program-code-template for creating objects, providing initial values for state and implementation of behavior (member function or methods).

Role of object in class:-

An object is an instance of class.

(1)

A java object is self-contained type of data useful.

Role of object in class A class system allow the program to define a new class in terms of an existing class by using technique.

Example:  
class usama  
{

public static void main (string arg[])

Saif jav = new saif ();

class saif

class

Object

int Hos = 5;

double Max = 4.4;

(2)

Q 2:-

Ans:-

Class table

```

{
    Public static void main (string arg []) {
        Integer no, c;
        Scanner sc = new Scanner ( );
        System.out.println ("Enter any number");
        no = sc.nextInt ();
        for (c = 1; c <= 10; c++)
        {
            System.out.println (no + " x " + c + " = " + (no * c));
        }
    }
}

```

Explanation:- It is the table in java value from the user by using the loop. Using for loop and write the table as any number user will enter.

Q2

Ans:- Class usama

```
{ public static void main (String args [] ) {
```

```
    Saif BMW = new Saif ();
```

```
    Saif CALTEX = new Saif ();
```

```
        BMW.fc = 2;
```

```
        BMW.ts = 250;
```

```
        CALTEX.fc = 1;
```

```
        CALTEX.ts = 157;
```

```
    System.out.println ("fuel capacity = " + BMW.fc +  
        " gallons");
```

```
    System.out.println ("Total speed = " + BMW BMW.ts +  
        " km");
```

```
    System.out.println ("fuel capacity = " + CALTEX.ts +  
        " gallons");
```

```
    System.out.println ("Total speed = " + CALTEX.ts + " km");
```

```
System.out.println  
}
```

```
}
```

```
class Saif
```

```
{
```

```
    int fc;
```

```
    int ts;
```

```
}
```

This program we will check the 2 car fuel capacity and total speed with using class and object. One car name CALTEX and second car name BMW. CALTEX car Total speed 157 and fuel capacity 1 gallons. And BMW car Total speed 250 km an fuel capacity 2 gallons.

This work will ~~be~~ done by java. Using classes and object.

