

Worksheet

2

Name:

Roll No: Class: Section:

Date:

USER-DEFINED METHODS

Chapter-11

1. In the following program mention the pure and impure method.

```
class pure_impure
{
    float x,y,z,b;
    int a;
    public void pure()
    {
        x=12.0f;
        y=5.0f;
        z=0.0f;
    }
}
```

```
public float mult()
{System.out.println("enter two numbers");
a=sc.nextInt();
b=sc.nextFloat();
return(a*b);
}
```

(a)

```
public void mult1()
{
    z=x*y;
}
```

(b)

```
public void show()
{
    System.out.println("&quot;product of x and
y = &quot;+&quot;/t&quot; + x*y);
}
```

(c)

2. State whether the following statement is true or false.

- (a) A method can return more than one value.
- (b) Methods defined as void must return a value.
- (c) A method may contain any number of return statements.
- (d) The non static methods need an instance to be called.
- (e) If a method returns a value, then it must be of the same data type as defined in the method.
- (f) Parameters in the method definition are called dummy parameters.