

Question 1. [14 MARKS]

1. `amount = (int) (balance * interest);`
2. `(total % 2) == 0`
3. `cash < 0 || cash > bill`
4. `Double grade = new Double(75.5);`
5.

```
class Computer {
    String ipAddress;
    static int quantity = 10;
}
```
6.

```
String makeAddress (int num, String name) {
    return "I live at " + num + " " + name;
}
```
7.

```
Phone (Phone other) {
    this.number = other.number;
    this.broken = other.broken;
}
```

Question 2. [18 MARKS]

```
1. public class SalesBookRecord extends BookRecord {
2.     private double price; // stores the price of the Book in dollars
3.
4.     // sets the price of this book record
5.     public void setPrice(double p) { this.price = p; }
6.
7.     // returns the price of this book record
8.     public double getPrice() { return this.price; }
9.
10.    // takes a discount, n, (int between 0 and 100), and reduces the price of
11.    // this book by n percent
12.    // This is for section L5101
13.    public double discount5101(int n) {
14.        // convert n to a percentage
15.        return this.price * (1 - .01*n);
16.    }
17.
18.    // return a String representation of this SalesBookRecord
19.    public String toString() {
20.        return getISBN() + " : " + getAuthor() + " : " + getTitle() + " : " + price;
21.    }
22. }
```

Question 3. [18 MARKS]

Solution:

test1

P
P
P

test2

P

test3

P
F 4865
N

test4

P
P

Total Marks = 50