Question 1

Complete

Marked out of 1.00

⚑ Flag question

What is the output of the following code snippet?

3: int x1 = 50, x2 = 75;

4: boolean b = x1 >= x2;

5: if(b = true) System.out.println("Success");

6: else System.out.println("Failure");

- ◉ a. The code will not compile because of line 5.
- ○ b. Failure
- ○ c. Success
- ○ d. The code will not compile because of line 4.

Question 2

Complete

Marked out of 1.00

⚑ Flag question

Given the following class, which of the following lines of code can replace INSERT CODE
HERE to make the code compile? (Choose all that apply)

public class Price {

    public void admission() {

        INSERT CODE HERE

        System.out.println(amount);

    } }

- ☐ a. int amount = 9L;
- ☑ b. double amount = 0xE;
- ☑ c. int amount = 1_2_;
- ☐ d. None of the above.
- ☐ e. double amount = 1_2_.0_0;
- ☐ f. int amount = 0xE;
- ☑ g. int amount = 0b101;

?

3. What is the output of the following code snippet?

```
3: boolean x = true, z = true;
4: int y = 20;
5: x = (y != 10) ^ (z=false);
6: System.out.println(x+", "+y+", "+z);
```

- ○ a. true, 10, true
- ○ b. false, 20, false
- ○ c. false, 20, true
- ⦿ d. The code will not compile because of line 5.
- ○ e. true, 20, false
- ○ f. false, 20, true

What will be the output of the following program?

```
int a = 10, b = 20, c = 30;
System.out.println(a > b ? a : b > c ? b : c);
```

- ☐ a. 10
- ☐ b. Compilation error
- ☑ c. 30
- ☐ d. 20

How many times will the following code print "Hello World"?

```
3: for(int i=0; i<10 ; ) {
4:   i = i++;
5:   System.out.println("Hello World");
6: }
```

- ○ a. The code will not compile because of line 5.

b. 11

c. 10

d. The code contains an infinite loop and does not terminate.

e. The code will not compile because of line 3.

f. 9

Question 6

Complete

Marked out of 1.00

⚑ Flag question

Which statements about switch are correct?

☑ a. switch can take String values.

☑ b. Cases must be constant expressions.

☑ c. break is necessary to prevent fall-through.

☑ d. switch requires a default case.

Question 7

Complete

Marked out of 1.00

⚑ Flag question

What is the output of the following code?

1: public class TernaryTester {

2:   public static void main(String[] args) {

3:     int x = 5;

4:     System.out.println(x > 2 ? x < 4 ? 10 : 8 : 7);

5: }}

a. 10

b. 7

c. The code will not compile because of line 4.

d. 5

e. 4

f. 8

Question 8

Complete

Marked out of 1.00

⚑ Flag question

Given:

class Fork {

```
public static void main(String[] args) {
    if(args.length == 1 | args[1].equals("test")) {
        System.out.println("test case");
    } else {
        System.out.println("production " + args[0]);
    }
}
}
```

And the command-line invocation:

java Fork live2

What is the result?

- ☑ a.   Compilation fails
- ☐ b.   An exception is thrown at runtime
- ☐ c.   test case live2
- ☐ d.   production live2
- ☐ e.   test case

Question 9

Complete

Marked out of 1.00

⚑ Flag question

Given:

```
class Hexy {
    public static void main(String[] args) {
        Integer i = 42;
        String s = (i<40)?"life": (i>50)?"universe":"everything";
        System.out.println(s);
    }
}
```

What is the result?

- ☑ a.   everything
- ☐ b.   life
- ☐ c.   null
- ☐ d.   An exception is thrown at runtime
- ☐ e.   Compilation fails
- ☐ f.   universe

Question 10

Complete

Marked out of 1.00

⚑ Flag question

Given:

3. public class Ebb {

4.   static int x = 7;

5.   public static void main(String[] args) {

6.   String s = "";

7.   for(int y = 0; y < 3; y++) {

8.   x++;

9.   switch(x) {

10.   case 8: s += "8 ";

11.   case 9: s += "9 ";

12.   case 10: { s+= "10 "; break; }

13.   default: s += "d ";

14.   case 13: s+= "13 ";

15.   }

16.   }

17.   System.out.println(s);

18.   }

19.   static { x++; }

20. }

What is the result?

- [ ] a. 8 9 10 9 10 10 d 13
- [x] b. 9 10 d
- [ ] c. Compilation fails
- [ ] d. 8 9 10 d
- [ ] e. 8 9 10 10 d 13
- [x] f. 9 10 10 d
- [ ] g. 9 10 10 d 13

Question 11

Complete

Marked out of 1.00

⚑ Flag question

What is the output of the following code?

3: byte a = 40, b = 50;

4: byte sum = (byte) a + b;

5: System.out.println(sum);

- ( ) a. An undefined value.
- ( ) b. 90
- ( ) c. 50
- (•) d. The code will not compile because of line 4.
- ( ) e. 40

Question 12

Complete

Marked out of 1.00

⚑ Flag question

Given: 3. public class Wind { 4. public static void main(String[] args) { 5. foreach: 6. for(int j=0; j<5; j++) { 7. for(int k=0; k< 3; k++) { 8. System.out.print(" " + j); 9. if(j==3 && k==1) break foreach; 10. if(j==0 || j==2) break; 11. } 12. } 13. } 14. } What is the result?

- ☐ a. 0 1 1 1 2 3 3 4 4 4
- ☐ b. Compilation fails
- ☐ c. 0 1 2 3
- ☑ d. 0 1 1 1 2 3 3
- ☐ e. 1 1 1 3 3 4 4 4
- ☐ f. 1 1 1 3 3

Question 13

Complete

Marked out of 1.00

⚑ Flag question

What is the output of the following code snippet?

3: int x = 4;

4: long y = x * 4 - x++;

5: if(y<10) System.out.println("Too Low");

6: else System.out.println("Just right");

7: else System.out.println("Too High");

- ○ a. The code will not compile because of line 7
- ○ b. Compiles but throws a NullPointerException.
- ○ c. Too Low
- ◉ d. Just Right
- ○ e. The code will not compile because of line 6.
- ○ f. Too High

Question 14

Complete

Marked out of 1.00

⚑ Flag question

What is the output of the following code snippet?

3: int x = 0;

4: String s = null;

5: if(x == s) System.out.println("Success");

6: else System.out.println("Failure");

a. Success

b. The code will not compile because of line 5.

c. The code will not compile because of line 4.

d. Failure

What is the result of the following code snippet?

```
3: final char a = 'A', d = 'D';
4: char grade = 'B';
5: switch(grade) {
6:   case a:
7:   case 'B': System.out.print("great");
8:   case 'C': System.out.print("good"); break;
9:   case d:
10:  case 'F': System.out.print("not good");
11: }
```

a. The code will not compile because of line 3.

b. The code will not compile because of lines 6 and 9.

c. greatgood

d. The code will not compile because of line 6.

e. great

What is the output of the following code snippet?

```
3: boolean keepGoing = true;
4: int result = 15, i = 10;
5: do {
6:   i--;
7:   if(i==8) keepGoing = false;
8:   result -= 2;
9: } while(keepGoing);
10: System.out.println(result);
```

a. The code will not compile because of line 8.

b. 10

○ c. 15

○ d. 11

○ e. 9

○ f. 7

Question 17

Complete

Marked out of 1.00

⚐ Flag question

Given:

1. class Loopy {
2. public static void main(String[] args) {
3. int[] x = {7,6,5,4,3,2,1};
4. // insert code here
5. System.out.print(y + " ");
6. }
7. } }

Which, inserted independently at line 4, compiles? (Choose all that apply.)

☐ a.   for(int y : x) {

☑ b.   for(int y=0, z=0; z

☐ c.   int y = 0; for(int z=0; z<x.length; z++) { y = x[z];

☐ d.   for(int y=0, int z=0; z<x.length; z++) { y = x[z];

☐ e.   int y = 0; for(y : x) {

☐ f.   for(x : int y) {

Question 18

Complete

Marked out of 1.00

⚐ Flag question

What will be the output of the following code?

int a = 5;

System.out.println(a++ + ++a);

☐ a.   11

☐ b.   13

☑ c.   12

☐ d.   Compilation error

Question 19

Complete

Marked out of 1.00

⚐ Flag question

Which of the following are true? (Choose all that apply)

public class Bunny {

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

    Bunny bun = new Bunny();

} }
```

- ☑ a.   bun is a reference to an object.
- ☐ b.   main is a class.
- ☐ c.   bun is a class.
- ☐ d.   Bunny is a reference to an object.
- ☐ e.   None of the above.
- ☑ f.   Bunny is a class.
- ☐ g.   main is a reference to an object.

Question 20

Complete

Marked out of 1.00

⚑ Flag question

Given:

4. public class SpecialOps {

5.   public static void main(String[] args) {

6.   String s = "";

7.   Boolean b1 = true;

8.   Boolean b2 = false;

9.   if((b2 = false) | (21%5) > 2) s += "x";

10.   if(b1 || (b2 = true))   s += "y";

11.   if(b2 == true)   s += "z";

12.   System.out.println(s);

13. }

14. }

Which are true? (Choose all that apply.)

- ○ a.   x will be included in the output
- ⦿ b.   y will be included in the output
- ○ c.   Compilation fails
- ○ d.   An exception is thrown at runtime
- ○ e.   z will be included in the output

Finish review