Question 1

Not yet answered

Marked out of 1.00

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

Select one:

○ **a. 0 1 2 3**

○ **b. Compilation fails**

○ **c. 1 1 1 3 3 4 4 4**

○ **d. 0 1 1 1 2 3 3 4 4 4**

◉ **e. 0 1 1 1 2 3 3**

○ **f. 1 1 1 3 3**

Question 2

Not yet answered

Marked out of 1.00

Which of the following print out a date representing April 1, 2015? (Choose all that apply)
with proper imports
import java.time.LocalDate;
import java.time.LocalTime;
import java.util.Calendar;

Select one:

◉ **a. System.out.println(LocalDate.of(2015, Month.APRIL, 1));**

○ **b. System.out.println(LocalDate.of(2015, Calendar.APRIL, 1));**

○ **c. System.out.println(LocalDate.of(2015, 3, 1));**

○ **d. System.out.println(new LocalDate(2015, 3, 1));**

○ **e. System.out.println(LocalDate.of(2015, 4, 1));**

○ **f. System.out.println(new LocalDate(2015, 4, 1));**

Question 3

Not yet answered

Marked out of 1.00

```
interface I{
    public default  void call_Method(){System.out.println("Hello");}
}
interface I1{
    public default  void call_Method(){System.out.println("hi");}
}

class Test implements I,I1{
    public static void main(String[] args)    {
        I obj=new Test();
        obj.call_Method();
    }
}
```

Select one:

○ **a. run time exception**

○ **b. Hi**

○ **c. compilation fails**

○ **d. Hello**

Question 4

Not yet answered

Marked out of 1.00

```
interface I{
    public default  void call_Method(){System.out.println("Hello");}
}
class Test{
    public void call_Method(){System.out.println("Hi");}
    public static void main(String[] args)    {
        I obj=new Test();
        obj.call_Method();
    }
}
```

Select one:

○ **a. Hello**

◉ **b. compilation fails**

○ **c. Hi**

○ **d. run time exception**

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Question 5

Not yet answered

Marked out of 1.00

Given:

3. public class Redwood extends Tree {
4. public static void main(String[] args) {
5. new Redwood().go();
6. }
7. void go() {
8. go2(new Tree(), new Redwood());
9. go2((Redwood) new Tree(), new Redwood());
10. }
11. void go2(Tree t1, Redwood r1) {
12. Redwood r2 = (Redwood)t1;
13. Tree t2 = (Tree)r1;
14. }
15. }
16. class Tree { }
What is the result? (Choose all that apply.)

Select one:

○ **a. Compilation fails with an error at line 9**

○ **b. An exception is thrown at runtime**

○ **c. Compilation fails with an error at line 12**

○ **d. The code compiles and runs with no output**

○ **e. Compilation fails with an error at line 13**

○ **f. Compilation fails with an error at line 8**

Question 6

Not yet answered

Marked out of 1.00

```
import java.time.*;
 class Test {
   public static void main(String[] args) {
     LocalDate date = LocalDate.of(2016, 1, 20);
       LocalTime time = LocalTime.of(6, 15);
         LocalDateTime dateTime = LocalDateTime.of(date, time);
         Period period = Period.ofMonths(1);
         System.out.println(date.plus(period));
 }}
```

Select one:

○ **a. 2016-02-19**

○ **b. compilation fails**

○ **c. 2016-02-20**

○ **d. 2016-02-21**

Question 7

Not yet answered

Marked out of 1.00

```
import java.time.*;
 class Test {
   public static void main(String[] args) {
   LocalDateTime dateTime1 = LocalDateTime.of(2015, Month.JANUARY, 20);
   System.out.println(dateTime1);
} }
```

Select one:

- a. **2015-01-20T00:00:00**
- b. **compilation fails**
- c. **2015-01-20**
- d. **runtime exception**

Question 8

Not yet answered

Marked out of 1.00

What will happen when you invoke the following method?
```
void infiniteLoop() {
byte b=1;
while(++b>0) //line 5
;
System.out.println("welcome to java");
}
```

Select one:

- a. **Prints nothing**
- b. **The loop never ends(infinite loop)**
- c. **Prints "welcome to java"**
- d. **Compilation error at line5. ++operator should not be used for byte type variables.**

Grand-Test-2

Which of the following lines can be inserted at line 11 to print true? (Choose all that apply)

```
import java.util.*;
import java.util.function.Predicate;
 class Test {
  public static void main(String[] args) {
     //line 11 insert code here
  }

  private static boolean test(Predicate<Integer> p) {
      return p.test(5);
     }
 }
```

Select one or more:

- a. **System.out.println(test(i -> {i == 5;}));**

- b. **System.out.println(test(i -> i == 5));**

- c. **System.out.println(test((int i) -> {return i == 5;}));**

- d. **System.out.println(test((int i) -> i == 5));**

- e. **System.out.println(test((i) -> i == 5));**

- f. **System.out.println(test((i) -> {return i == 5;}));**

Question
10

Not yet answered

Marked out of
1.00

```java
class Test {
  public void go() {
    String o = "";
      z:
      for(int x = 0; x < 3; x++) {
      for(int y = 0; y < 2; y++) {
        if(x==1) break;
         if(x==2 && y==1) break z;
           o = o + x + y;
         }
       }
       System.out.println(o);
 }
   public static void main(String[] args) {
     new Test().go();
     }
}
```

What is the result when the go() method is invoked?

Select one:

○ **a. An exception is thrown at runtime.**

○ **b. 000120**

○ **c. 00012021**

○ **d. Compilation fails.**

○ **e. 0001**

○ **f. 00**

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Question
11

Not yet answered

Marked out of
1.00

```
interface I{
    default String m1() {return "default impl"; }
}
  class A implements I{
}
  class Test  implements I{
  @Override
    public String m1(){
     return "override impl";
    }
  public static void main(String[] args)    {
    Test t=new Test();
    System.out.println(t.m1());
  }
}
```

Select one:

- ○ **a. compilation error**
- ○ **b. None of the mentioned**
- ○ **c. Compile and execute without any Exception or error**
- ○ **d. Runtime Exception**

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Question
12

Not yet answered

Marked out of
1.00

```
interface DeclareStuff {
public static final int EASY = 3;
void doStuff(int t); }
public class TestDeclare implements DeclareStuff {
public static void main(String [] args) {
int x = 5;
new TestDeclare().doStuff(++x);
}

void doStuff(int s) {
s += EASY + ++s;
System.out.println("s " + s);
}
}
```

What is the result?

Select one:

- a. s 10
- b. s 14
- c. s 16
- d. An exception is thrown at runtime.
- e. Compilation fails.

Question
13

Not yet answered

Marked out of
1.00

What is the output of the following code?
LocalDate date = LocalDate.parse("2018-04-30", DateTimeFormatter.ISO_LOCAL_ DATE);
date.plusDays(2);
date.plusHours(3);
System.out.println(date.getYear() + " " + date.getMonth() + " "+ date.getDayOfMonth());

Select one:
- a. 2018 APRIL 2
- b. The code does not compile.
- c. A runtime exception is thrown.
- d. 2018 APRIL 30
- e. 2018 MAY 2

Question
14

Not yet answered

Marked out of
1.00

```
1: public class MathFunctions {
2: public static void addToInt(int x, int amountToAdd) {
3: x = x + amountToAdd;
4: }
5: public static void main(String[] args) {
6: int a = 15;
7: int b = 10;
8: MathFunctions.addToInt(a, b);
9: System.out.println(a); } }
```

Select one:

○ **a. Compiler error on line 8.**

○ **b. 10**

○ **c. 25**

○ **d. None of the mentioned**

○ **e. 15**

○ **f. Compiler error on line 3.**

Question
15

Not yet answered

Marked out of
1.00

Given:

11. public abstract class Shape {
12. private int x;
13. private int y;
14. public abstract void draw();
15. public void setAnchor(int x, int y) {
16. this.x = x;
17. this.y = y;
18. }
19. }

Which two classes use the Shape class correctly? (Choose two.)

Select one or more:

☐ **a. public abstract class Circle extends Shape {**
private int radius;
}

☐ **b. public class Circle extends Shape {**
private int radius;
public void draw() {/* code here */}

☐ **c. public abstract class Circle implements Shape {**
private int radius;
public void draw();
}

☐ **d. public class Circle extends Shape {**
private int radius;
public void draw();
}

☐ **e. public class Circle implements Shape {**
private int radius;
}

☐ **f. public abstract class Circle implements Shape {**
private int radius;
public void draw() { /* code here */ }

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Question
16

Not yet answered

Marked out of 1.00

```
class  Test
{
    public static void main(String[] args) {
    try {
20.      args[0] = "test";
21.      System.out.println(args[0]);
22.  }  catch (NullPointerException npe) {
23.  System.out.println("NullPointerException");
 }catch (Exception ex) {
 System.out.println("Exception");
 }
 }}
```

when you compile & run with the following commands:
javac Test.java
java Test

What is the result?

Select one:

- a. **Compilation fails because of an error in line 23.**
- b. **Compilation fails because of an error in line 20.**
- c. **Compilation fails because of an error in line 21.**
- d. **Exception**
- e. **The code runs with no output.**
- f. **NullPointerException**

Question
17

Not yet answered

Marked out of
1.00

```java
interface I{
    public default  void call_Method(){System.out.print("Hello ");}
}
interface I1 extends I{
    public default  void call_Method(){System.out.print("hi ");}
}
interface I2 extends I1{
    public default  void call_Method(){System.out.print("hai ");}
}
class Test implements I2{
    public static void main(String[] args)    {
        I obj=new Test();
        obj.call_Method();
    }
}
```

Select one:

- a. hai
- b. hi
- c. compilation fails
- d. Hello hi hai
- e. Hello
- f. exception thrown at run time

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Question
18

Not yet answered

Marked out of 1.00

Given:

```
3. public class Theory {
4.   public static void main(String[] args) {
5.     String s1 = "abc";
6.     String s2 = s1;
7.     s1 += "d";
8.     System.out.println(s1 + " " + s2 + " " + (s1==s2));
9.
10.    StringBuffer sb1 = new StringBuffer("abc");
11.    StringBuffer sb2 = sb1;
12.    sb1.append("d");
13.    System.out.println(sb1 + " " + sb2 + " " + (sb1==sb2));
14.  }
15. }
```

Which are true? (Choose all that apply.)

Select one or more:

☐ **a. The first line of output is abcd abc false**

☐ **b. The second line of output is abcd abcd true**

☐ **c. The first line of output is abc abc false**

☐ **d. Compilation fails**

☐ **e. The second line of output is abcd abc false**

☐ **f. The second line of output is abcd abcd false**

☐ **g. The first line of output is abc abc true**

Question
19

Not yet answered

Marked out of
1.00

Given:

10. interface A { void x(); }
11. class B implements A { public void x() {} public void y() {} }
12. class C extends B { public void x() {} } And:

20. java.util.List<A> list = new java.util.ArrayList<A>();
21. list.add(new B());
22. list.add(new C());
23. for (A a : list) {
24. a.x();
25. a.y();
26. }

What is the result?

Select one:

- ○ **a. Compilation fails because of an error in line 25.**
- ○ **b. The code runs with no output.**
- ○ **c. Compilation fails because of an error in line 21.**
- ○ **d. Compilation fails because of an error in line 23.**
- ○ **e. Compilation fails because of an error in line 20.**
- ○ **f. An exception is thrown at runtime.**

Question
20

Not yet answered

Marked out of
1.00

Given:
11. class Mammal { }
12.
13. class Raccoon extends Mammal {
14. Mammal m = new Mammal();
15. }
16.
17. class BabyRaccoon extends Mammal { }

Which four statements are true? (Choose four.)

Select one or more:

- ☐ **a. BabyRaccoon has-a Mammal.**
- ☐ **b. Raccoon is-a Mammal.**
- ☐ **c. BabyRaccoon is-a Raccoon.**
- ☐ **d. Raccoon has-a Mammal.**
- ☐ **e. BabyRaccoon is-a BabyRaccoon.**
- ☐ **f. BabyRaccoon is-a Mammal.**

Question
21

Not yet answered

Marked out of
1.00

```
class TKO {
public static void main(String[] args) {
String s = "-";
Integer x = 343;
long L343 = 343L;
if(x.equals(L343)) s += ".e1 ";
if(x.equals(343)) s += ".e2 ";
Short s1 = (short)((new Short((short)343)) / (new Short((short)49)));
if(s1 == 7) s += "=s ";
if(s1 < new Integer(7+1)) s += "fly ";
System.out.println(s);
} }
```

Which of the following will be included in the output String s? (Choose all that apply.)

Select one or more:

- [ ] **a. .e2**
- [ ] **b. None of the mentioned**
- [ ] **c. =s**
- [ ] **d. .e1**
- [ ] **e. Compilation fails**
- [ ] **f. An exception is thrown at runtime**
- [ ] **g. fly**

Question 22

Not yet answered

Marked out of 1.00

Given:

```
3. public class Spock {
4.   public static void main(String[] args) {
5.     int mask = 0;
6.     int count = 0;
7.     if( ((5<7) || (++count < 10)) | mask++ < 10 )   mask = mask + 1;
8.     if(  (6 > 8) ^ false)               mask = mask + 10;
9.     if( !(mask > 1) && ++count > 1)         mask = mask + 100;
10.    System.out.println(mask + " " + count);
11.  }
12. }
```

 Which two answers are true about the value of mask and the value of count at line 10?
(Choose two.)

Select one or more:

☐ **a. mask is 0**

☐ **b. count is 0**

☐ **c. mask is greater than 10**

☐ **d. count is greater than 0**

☐ **e. mask is 1**

☐ **f. mask is 2**

☐ **g. mask is 10**

Question 23

Not yet answered

Marked out of 1.00

```
import java.time.*;
import java.time.format.*;
 class Test {
   public static void main(String[] args) {
     LocalDate date = LocalDate.of(2016, 1, 20);
      LocalTime time = LocalTime.of(6, 15);
       LocalDateTime dateTime = LocalDateTime.of(date, time);
       DateTimeFormatter shortF =
DateTimeFormatter.ofLocalizedDateTime(FormatStyle.SHORT);
       System.out.println(shortF.format(dateTime));
} }
```

Select one:

○ **a. 1/20/16 6:15 AM**

○ **b. compilation fails**

○ **c. Jan 20, 2016 6:15:00 AM**

○ **d. 1/20/16**

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Question 24

Not yet answered

Marked out of 1.00

Given:
class Top {
public Top(String s) {
System.out.print("B");
}
}

public class Bottom2 extends Top {
public Bottom2(String s) { System.out.print("D"); }
public static void main(String [] args) {
new Bottom2("C");
System.out.println(" ");
} }
What is the result?

Select one:

○ **a. BDC**

○ **b. Compilation fails**

○ **c. DBC**

○ **d. DB**

○ **e. BD**

Question 25

Not yet answered

Marked out of 1.00

What individual changes, if any, would allow the following code to compile? (Choose all
that apply)
1: public interface Animal { public default String getName() { return null; } }
2: interface Mammal { public default String getName() { return null; } }
3: abstract class Otter implements Mammal, Animal {}

Select one or more:

☐ **a. Override the getName() method with a concrete method in the Otter class.**

☐ **b. Remove the default method modifier and method implementation on line 1.**

☐ **c. Change the return value on line 1 from null to "Animal".**

☐ **d. Override the getName() method with an abstract method in the Otter class.**

☐ **e. Remove the default method modifier and method implementation on line 2.**

☐ **f. Remove the default method modifier and method implementation on lines 1 and 2.**

☐ **g. The code compiles without issue.**

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Question
26

Not yet answered

Marked out of 1.00

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?

Select one:

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

Question 27

Not yet answered

Marked out of 1.00

```
import java.time.*;
 class Test {
   public static void main(String[] args) {
     LocalDate date = LocalDate.of(2000, Month.FEBRUARY, 20);
      date = date.plusDays(10);
      System.out.println(date);
}}
```

Select one:

○ **a. compilation fails**

○ **b. runtime exception**

○ **c. 2000-02-30**

○ **d. 2000-03-01**

○ **e. 2000-03-02**

Question 28

Not yet answered

Marked out of 1.00

Given:

```
class _ {
static public void main(String... __A_V_) {
String $ = "";
for(int x=0; ++x < __A_V_.length; )
$ += __A_V_[x];
System.out.println($);
}
}
```
And the command line:
```
java _ - A .
```
What is the result?

Select one:

○ **a. _-A.**

○ **b. -A**

○ **c. Compilation fails**

○ **d. A.**

○ **e. _A.**

○ **f. -A.**

○ **g. An exception is thrown at runtime**

Question
29

Not yet answered

Marked out of
1.00

What is the output of the following program?

```
1: public class Dog {
2: public String name;
3: public void parseName() {
4: System.out.print("1");
5: try {
6: System.out.print("2");
7: int x = Integer.parseInt(name);
8: System.out.print("3");
9: } catch (NumberFormatException e) {
10: System.out.print("4");
11: }
12: }
13: public static void main(String[] args) {
14: Dog leroy = new Dog();
15: leroy.name = "Leroy";
16: leroy.parseName();
17: System.out.print("5");
18: } }
```

Select one:

- a. **1245**
- b. **1234**
- c. **An uncaught exception is thrown.**
- d. **1235**
- e. **124**
- f. **12**
- g. **The code does not compile.**

Question 30

Not yet answered

Marked out of 1.00

Given:

```
3. public class Circles {
4.   public static void main(String[] args) {
5.     int[] ia = {1,3,5,7,9};
6.     for(int x : ia) {
7.       for(int j = 0; j < 3; j++) {
8.         if(x > 4 && x < 8) continue;
9.         System.out.print(" " + x);
10.         if(j == 1) break;
11.         continue;
12.       }
13.       continue;
14.     }
15.   }
16. }
```

What is the result?

Select one:

- a. 1 3 9
- b. 1 1 1 3 3 3 9 9 9
- c. 1 1 3 3 9 9
- d. Compilation fails
- e. 1 3 3 9 9
- f. 5 5 7 7

Question
31

Not yet answered

Marked out of
1.00

What is the output of the following code?

1: class Arthropod{
2: public void printName(double input) { System.out.print("Arthropod"); }
3: }
4: public class Spider extends Arthropod {
5: public void printName(int input) { System.out.print("Spider"); }
6: public static void main(String[] args) {
7: Spider spider = new Spider();
8: spider.printName(4);
9: spider.printName(9.0);
10: }
11: }

Select one:

- a. **ArthropodArthropod**
- b. **SpiderArthropod**
- c. **The code will not compile because of line 5.**
- d. **The code will not compile because of line 9.**
- e. **SpiderSpider**
- f. **ArthropodSpider**

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Question

32

Not yet answered

Marked out of
1.00

Given two files:

1. package pkgA;
2. public class Foo {
3. int a = 5;
4. protected int b = 6;
5. }

1. package pkgB;
2. import pkgA.*;
3. public class Fiz extends Foo {
4. public static void main(String[] args) {
5. Foo f = new Foo();
6. System.out.print(" " + f.a);
7. System.out.print(" " + f.b);
8. System.out.print(" " + new Fiz().a);
9. System.out.println(" " + new Fiz().b);
10. }
11. }

What is the result? (Choose all that apply.)

Select one or more:

◻ **a. Compilation fails with an error on line 9**

◻ **b. 5 6 followed by an exception**

◻ **c. Compilation fails with an error on line 7**

◻ **d. Compilation fails with an error on line 6**

◻ **e. 5 6 5 6**

◻ **f. Compilation fails with an error on line 8**

Question 33

Not yet answered

Marked out of 1.00

Given:
```
public class Test {
 public static void main(String [] args) {
 int x = 5;
 boolean b1 = true;
 boolean b2 = false;
 if ((x == 4) && !b2 )
 System.out.print("1 ");
 System.out.print("2 ");
if ((b2 = true) && b1 )
System.out.print("3 ");
 }
}
```

What is the result?

Select one:

- a. 3
- b. 2 3
- c. 2
- d. 1 2 3
- e. 1 2
- f. Compilation fails.
- g. An exception is thrown at runtime.

```
interface A extends Object{
   default    void m1(){ System.out.println(1); }
}
interface B extends A{
   default void m1() {  System.out.println(2); }
}
class C implements A,B{
   public void m1(){   System.out.println(3);  }
}
class Test {
   public static void main(String[] args)    {
    A a=new C();
    a.m1();
   }
}
```

Select one:

- a. 1

- b. 2

- c. 3

- **d. Run time Exception**
  Run time Exception

- **e. compilation fails**

Given:
 interface Fish { }
 class Perch implements Fish { }
 class Walleye extends Perch { }
 class Bluegill { }

 public class Fisherman {
public static void main(String[] args) {
 Fish f = new Walleye();
 Walleye w = new Walleye();
 Bluegill b = new Bluegill();
 if(f instanceof Perch) System.out.print("f-p ");
 if(w instanceof Fish) System.out.print("w-f ");
 if(b instanceof Fish) System.out.print("b-f ");
 }
}

What is the result?

Select one:

◯ **a. w-f**

◯ **b. w-f b-f**

◯ **c. f-p w-f b-f**

◯ **d. Compilation fails.**

◯ **e. f-p w-f**

◯ **f. An exception is thrown at runtime.**

```
class Test {
int x=20;
  public static void main(String[] args) {
    I obj = new I() {
    public void m() {
        System.out.println(x);
      }
        };
    obj.m();
  }
  interface I {
    int x=10;
    void m();
  }
}
```

Select one:

○ **a. compilation fails**

○ **b. run time exception**

○ **c. 10**

○ **d. 20**

What is the output of the following program?
1: public class BearOrShark {
2: public static void main(String[] args) {
3: int luck = 10;
4: if((luck>10 ? luck++: --luck)<10) {
5: System.out.print("Bear");
6: } if(luck<10) System.out.print("Shark");
7: } }

Select one:

○ **a. The code will not compile because of line 6.**

○ **b. Shark**

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

○ **d. The code compiles without issue but does not produce any output.**

○ **e. BearShark**

○ **f. Bear**

Question 38

Not yet answered

Marked out of 1.00

Given:
11. class Snoochy {
12. Boochy booch;
13. public Snoochy() { booch = new Boochy(this); }
14. }
15.
16. class Boochy {
17. Snoochy snooch;
18. public Boochy(Snoochy s) { snooch = s; }
19. } And the statements:
21. public static void main(String[] args) {
22. Snoochy snoog = new Snoochy();
23. snoog = null;
24. // more code here
25. }

Which statement is true about the objects referenced by snoog, snooch, and booch immediately after line 23 executes?

Select one:

- a. **The objects referenced by snooch and booch are eligible for garbage collection.**
- b. **Only the object referenced by snoog is eligible for garbage collection.**
- c. **Only the object referenced by snooch is eligible for garbage collection.**
- d. **Only the object referenced by booch is eligible for garbage collection.**
- e. **None of these objects are eligible for garbage collection.**

Given:
```
class SpecialOps {
  public static void main(String[] args) {
    String s = "";
    Boolean b1 = true;
    Boolean b2 = false;
    if((b2 = false) | (21%5) > 2) s += "x";
    if(b1 || (b2 = true))       s += "y";
    if(b2 == true)          s += "z";
    System.out.println(s);
  }
}
```

Which are true? (Choose all that apply.)

Select one:

○ **a. y will be included in the output**

○ **b. z will be included in the output**

○ **c. x will be included in the output**

○ **d. An exception is thrown at runtime**

○ **e. Compilation fails**

Given:
```
interface Foo { int bar(); }
public class Sprite {
public int fubar( Foo foo ) { return foo.bar(); }
public void testFoo() {
fubar(
// insert code here  -Line-15
);
}
}
```
Which code, inserted at line 15, allows the class Sprite to compile?

Select one:

○ **a. new class Foo { public int bar() { return 1; }**

○ **b. Foo { public int bar() { return 1; }**

○ **c. new Foo() { public int bar() { return 1; }**

○ **d. new Foo { public int bar() { return 1; }**

Question

41

Not yet answered

Marked out of
1.00

What is printed by the following? (Choose all that apply)
class Mouse {
 public String name;
 public void run() {
 System.out.print("1");
try {
 System.out.print("2");
 name.toString();
 System.out.print("3");
 } catch (NullPointerException e) {
 System.out.print("4");
 return;
 throw e;
 }
 System.out.print("5");
 }
 public static void main(String[] args) {
 Mouse jerry = new Mouse();
 jerry.run();
  System.out.print("6");
} }

Select one:

- ○ **a. The stack trace for a NullPointerException**

- ○ **b. 6**

- ○ **c. 3**

- ○ **d. 1**

- ○ **e. 4**

- ○ **f. compilation fails**

- ○ **g. 2**

- ○ **h. 5**

Question 42

Not yet answered

Marked out of 1.00

```
import java.time.*;
 class Test {
   public static void main(String[] args) {
      LocalDate d = new LocalDate();
    System.out.println(d.of(2015, Month.JANUARY, 20));
}}
```

Select one:

○ **a. 2015-01-20T00:00:00**

○ **b. runtime exception**

○ **c. 2015-01-20**

○ **d. compilation fails**

Question 43

Not yet answered

Marked out of 1.00

What is the result of the following program?
1: public class Egret {
2: private String color;
3: public Egret() {
4: this("white");
5: }
6: public Egret(String color) {
7: color = color;
8: }
9: public static void main(String[] args) {
10: Egret e = new Egret();
11: System.out.println("Color:" + e.color);
12: }
13: }

Select one:

○ **a. Compiler error on line 4.**

○ **b. Color:**

○ **c. Color:null**

○ **d. Compiler error on line 11.**

○ **e. Color:White**

○ **f. Compiler error on line 10.**

Given:
12. public interface A111 {
13.   String s = "yo";
14.   public void method1();
15}

18.interface B { }
19.interface C extends A111, B {
20.   public void method1();
21.   public void method1(int x);
22. }

What is the result?

Select one:

○ **a. Compilation fails due to an error only on line 21.**

○ **b. Compilation fails due to an error only on line 12.**

○ **c. Compilation fails due to multiple errors.**

○ **d. Compilation fails due to an error only on line 22.**

○ **e. compilation succeeds**

○ **f. Compilation fails due to an error only on line 20.**

Question 45

Not yet answered

Marked out of 1.00

Given:

23. Object [] myObjects = {
24. new Integer(12),
25. new String("foo"),
26. new Integer(5),
27. new Boolean(true)
28. };
29. Arrays.sort(myObjects);
30. for(int i=0; i<myObjects.length; i++) {
31. System.out.print(myObjects[i].toString());
32. System.out.print(" ");
33. }

What is the result?

Select one:

○ **a. A ClassCastException occurs in line 29.**

○ **b. The value of all four objects prints in natural order.**

○ **c. Compilation fails due to an error in line 29.**

○ **d. A ClassCastException occurs in line 31.**

○ **e. Compilation fails due to an error in line 23.**

Question 46

Not yet answered

Marked out of 1.00

Given:
1. public class LineUp {
2. public static void main(String[] args) {
3. double d = 12.345;
4. // insert code here
5. }
6. }
Which code fragment, inserted at line 4, produces the output | 12.345|?

Select one:

○ **a. System.out.printf("|%7.3f| \n", d);**

○ **b. System.out.printf("|%7f| \n", d);**

○ **c. System.out.printf("|%3.7f| \n", d);**

○ **d. System.out.printf("|%3.7d| \n", d);**

○ **e. System.out.printf("|%7.3d| \n", d);**

○ **f. System.out.printf("|%7d| \n", d);**

Question 47

Not yet answered

Marked out of 1.00

Given code below follow Encapsulation? (Ture/false)

```
class Emp {
  private int sal;
  public void setSal(int s){ this.sal=s; }
  public int getSal( ){ return sal; }
}

class Test{
  public static void main(String[] args)   {
     Emp obj=new Emp();
    System.out.println(obj.getSal())  ;
   }
}
```

Select one:

○ **True**

○ **False**

Question 48

Not yet answered

Marked out of 1.00

Which statements are true about the following code? (Choose all that apply)
1: interface HasVocalCords {
2: public abstract void makeSound();
3: }
4: public interface CanBark extends HasVocalCords {
5: public void bark();
6: }

Select one:

○ **a. The CanBark interface doesn't compile.**

○ **b. A class that implements CanBark inherits both the makeSound() and bark() methods.**

○ **c. An interface cannot extend another interface.**

○ **d. A class that implements HasVocalCords must override the makeSound() method.**

○ **e. A class that implements CanBark only inherits the bark() method.**

Question 49

Not yet answered

Marked out of 1.00

```
class Animal { public String noise() { return "peep"; } }
class Dog extends Animal {
public String noise() { return "bark"; }
}
class Cat extends Animal {
public String noise() { return "meow"; }
}
class Test {
public static void main(String[] args) {
Animal animal = new Dog();
Cat cat = (Cat)animal;
System.out.println(cat.noise());
}
}
```

What is the result?

Select one:

○ **a. bark**

○ **b. An exception is thrown at runtime.**

○ **c. Compilation fails.**

○ **d. peep**

○ **e. meow**

Question 50

Not yet answered

Marked out of 1.00

Given:

1. public class Boxer1{
2. Integer i;
3. int x;
4. public Boxer1(int y) {
5. x = i+y;
6. System.out.println(x);
7. }
8. public static void main(String[] args) {
9. new Boxer1(new Integer(4));
10. }
11. }

What is the result?

Select one:

○ a. A NullPointerException occurs at runtime.

○ b. Compilation fails because of an error in line 9.

○ c. The value "4" is printed at the command line.

○ d. An IllegalStateException occurs at runtime.

○ e. Compilation fails because of an error in line 5.

○ f. A NumberFormatException occurs at runtime.

Question 51

Not yet answered

Marked out of 1.00

Given:

static void test() throws RuntimeException {
try {
System.out.print("test ");
throw new RuntimeException();
}
catch (Exception ex) { System.out.print("exception "); }
}
public static void main(String[] args) {
try { test(); }
catch (RuntimeException ex) { System.out.print("runtime "); }
System.out.print("end ");
}

What is the result?

Select one:

○ a. Compilation fails.

○ b. A Throwable is thrown by main at runtime.

○ c. test runtime end

○ d. test exception end

○ e. test end

Question 52

Not yet answered

Marked out of 1.00

```java
class Test implements I{
    public static void main(String[] args){
        str.chars().forEach(ch->System.out.print(ch+" "));
        str="bdef";
        str.chars().forEach(ch->System.out.print(ch+" "));
    }
}
interface I{
    String str="ABCD";
}
```

Select one:

- a. 65 66 67 68
- b. 97 98 99 100
- c. run time excetion
- d. compilation fails
- e. 95 96 97 98

Question 53

Not yet answered

Marked out of 1.00

```java
import java.util.*;
import java.util.function.Predicate;

class predicate2 {
  public static void main(String args[]){
    List<Integer> al = new ArrayList<>();
    for(int i = 0; i < 10; i++)
      al.add(i);
    al.removeIf(n -> n % 2 != 0);
    System.out.println(al);
  }
}
```

Select one:

- a. [1, 3, 5, 7, 9]
- b. run time exception
- c. compilation fails
- d. [0, 2, 4, 6, 8]

Question 54

Not yet answered

Marked out of 1.00

```
class Test {
public static void main (String [] args) {
  int[] arr=new int[-1];
  System.out.println(arr[0]);
}}
```

Select one:

○ a. -1

○ b. Run time exception

○ c. 0

○ d. Compilation fails

Question 55

Not yet answered

Marked out of 1.00

```
Given:
3. interface Vessel { }
4. interface Toy { }
5. class Boat implements Vessel { }
6. class Speedboat extends Boat implements Toy { }
7. public class Tree {
8.   public static void main(String[] args) {
9.     String s = "0";
10.     Boat b = new Boat();
11.     Boat b2 = new Speedboat();
12.     Speedboat s2 = new Speedboat();
13.     if((b instanceof Vessel) && (b2 instanceof Toy))  s += "1";
14.     if((s2 instanceof Vessel) && (s2 instanceof Toy)) s += "2";
15.     System.out.println(s);
16.   }
17. }
```

 What is the result?

Select one:

○ a. 01

○ b. Compilation fails

○ c. An exception is thrown at runtime

○ d. 0

○ e. 012

○ f. 02

Question 56

Not yet answered

Marked out of 1.00

Given:
3. class Alpha {
4. static String s = " ";
5. protected Alpha() { s += "alpha "; }
6. }
7. class SubAlpha extends Alpha {
8. private SubAlpha() { s += "sub "; }
9. }
10. public class SubSubAlpha extends SubAlpha {
11. private SubSubAlpha() { s += "subsub "; }
12. public static void main(String[] args) {
13. new SubSubAlpha();
14. System.out.println(s);
15. }
16. }

What is the result?

Select one:

- a. alpha subsub
- b. sub subsub
- c. An exception is thrown at runtime
- d. Compilation fails
- e. subsub
- f. alpha sub subsub

What does the output of the following contain? (Choose all that apply)
12: public static void main(String[] args) {
13: System.out.print("a");
14: try {
15: System.out.print("b");
16: throw new IllegalArgumentException();
17: } catch (IllegalArgumentException e) {
18: System.out.print("c");
19: throw new RuntimeException("1");
20: } catch (RuntimeException e) {
21: System.out.print("d");
22: throw new RuntimeException("2");
23: } finally {
24: System.out.print("e");
25: throw new RuntimeException("3");
26: }
27: }

Select one or more:

☐ **a. An exception with the message set to "1"**

☐ **b. Nothing; the code does not compile.**

☐ **c. An exception with the message set to "2"**

☐ **d. abce**

☐ **e. abde**

☐ **f. An exception with the message set to "3"**

```
class Test implements I{
    public static void main(String[] args){
        str.chars().forEach(ch->System.out.print(ch+" "));
    }
}
interface I{
    String str="ABCD";
}
```

Select one:

○ **a. run time excetion**

○ **b. 97 98 99 100**

○ **c. compilation fails**

○ **d. 95 96 97 98**

○ **e. 65 66 67 68**

Quiz Navigation

Finish attempt ... (http://10.11.51.100/mod/quiz/summary.php?attempt=17034)

Time left **1:36:04**