Given:

```
11.classA {
12. public void process() { System.out.print(”A,”); } }
13. class B extends A {
14. public void process() throws IOException {
15. super.process();
16. System.out.print(”B,”);
17. throw new IOException();
18. } }
19. public static void main(String[] args) {
20. try { new B().process(); }
21. catch (IOException e) { System.out.println(”Exception”); } }
```

What is the result?

A. Exception
B. A,B,Exception
C. Compilation fails because of an error in line 20.
D. Compilation fails because of an error in line 14.
E. A NullPointerException is thrown at runtime.

Given:

```
12. public class Test {
13. public enum Dogs {collie, harrier};
14. public static void main(String [] args) {
15. Dogs myDog = Dogs.collie;
16. switch (myDog) {
17. case collie:
18. System.out.print(”collie “);
19. case harrier:
20. System.out.print(”harrier “);
21. }
22. }
23. }
```

What is the result?

A. collie
B. harrier
C. Compilation fails.
D. collie harrier
E. An exception is thrown at runtime.

Click the Exhibit button.

```
1. public class A {
2. public String doit(int x, int y) {
3. return "a";
4. }
5.
6. public String doit(int... vals) {
7. return "b";
8. }
9. }
```

Given:

```
25. A a=new A();
26. System.out.println(a.doit(4, 5));
```

What is the result?

A. Line 26 prints "a" to System.out.
B. Line 26 prints 'b" to System.out.
C. An exception is thrown at line 26 at runtime.
D. Compilation of class A will fail due to an error in line 6.

Given:
10. public class Fabric
11. public enum Color {
12. RED(0xff0000), GREEN(0x00ff00), BLUE(0x0000ff);
13. private final int rgb;
14. Color(int rgb) { this.rgb = rgb; }
15. public int getRGB() { return rgb; }
16. };
17. public static void main(String[] argv) {
18. // insert code here
19. }
20. }

Which two code fragments, inserted independently at line 18, allow the Fabric class to compile? (Choose two.)

A. Color skyColor = BLUE;
B. Color treeColor = Color.GREEN;
C. Color purple = new Color(0xff00ff);
D. if(RED.getRGB() < BLUE.getRGB()) {}
E. Color purple = Color.BLUE + Color.RED;
F. if(Color.RED.ordinal() < Color.BLUE.ordinal()) {}

Question 32

Given:
11. public class Ball {
12. public enum Color { RED, GREEN, BLUE };
13. public void foo() {
14. // insert code here
15. { System.out.println(c); }
16. }
17. }

Which code inserted at line 14 causes the foo method to print RED, GREEN, and BLUE?

A. for(Color c : Color.values())
B. for(Color c = RED; c <= BLUE; c++)
C. for(Color c; c.hasNext() ; c.next())
D. for(Color c = Color[0]; c <= Color[2]; c++)

Which two code fragments correctly create and initialize a static array of int elements? (Choose two.)

A. static final int[] a = { 100,200 };

B. static final int[] a;
static { a=new int[2]; a[0]=100; a[1]=200; }

C. static final int[] a = new int[2] { 100,200 };

D. static final int[] a;
static void init() { a = new int[3]; a[0]=100; a[1]=200; }

Click the Exhibit button.

```
1. public class Test {
2. int x= 12;
3. public void method(int x) {
4. x+=x;
5. System.out.println(x);
6. }
7. }
```

Given:

```
34. Test t = new Test();
35. t.method(5);
```

What is the output from line 5 of the Test class?

A. 5
B. 10
C. 12
D. 17
E. 24

Given:
10. interface Data { public void load(); }
11. abstract class Info { public abstract void load(); }
Which class correctly uses the Data interface and Info class?

A. public class Employee extends Info implements Data {
public void load() { /*do something*/ }
}

B. public class Employee implements Info extends Data {
public void load() { /*do something*/ }
}

C. public class Employee extends Info implements Data {
public void load() { /*do something */ }
public void Info.load() { /*do something*/ }
}

D. public class Employee implements Info extends Data {
public void Data.load() { /*d something */ }
public void load() { /*do something */ }
}

E. public class Employee implements Info extends Data {
public void load() { /*do something */ }
public void Info.load(){ /*do something*/ }
}

F. public class Employee extends Info implements Data{
public void Data.load() { /*do something*/ }
public void Info.load() { /*do something*/ }
}

Given:
10. abstract public class Employee {
11. protected abstract double getSalesAmount();
12. public double getCommision() {
13. return getSalesAmount() * 0.15;
14. }
15. }
16. class Sales extends Employee {
17. // insert method here
18. }
Which two methods, inserted independently at line 17, correctly complete the Sales class? (Choose two.)

A. double getSalesAmount() { return 1230.45; }
B. public double getSalesAmount() { return 1230.45; }
C. private double getSalesAmount() { return *1230.45;* }
D. protected double getSalesAmount() { return *1230.45;* }

Question 18
Given:
1. public interface A {
2. String DEFAULT_GREETING = "Hello World";
3. public void method1();
4. }
A programmer wants to create an interface called B that has A as its parent. Which interface declaration is correct?
A. public interface B extends A { }
B. public interface B implements A {}
C. public interface B instanceOf A {}
D. public interface B inheritsFrom A { }

Given:
10. class Nav{
11. public enum Direction { NORTH, SOUTH, EAST, WEST }
12. }
13. public class Sprite{
14. // insert code here
15. }
Which code, inserted at line 14, allows the Sprite class to compile?
A. Direction d = NORTH;
B. Nav.Direction d = NORTH;
C. Direction d = Direction.NORTH;
D. Nav.Direction d = Nav.Direction.NORTH;

Given:
10. public class Bar {
11.static void foo(int...x) {
12. // insert code here
13. }
14. }
Which two code fragments, inserted independently at line 12, will allow the class to compile? (Choose two.)
A. foreach(x) System.out.println(z);
B. for(int z : x) System.out.println(z);
C. while(x.hasNext()) System.out.println(x.next());
D. for(int i=0; i< x.length; i++) System.out.println(x[i]);