

Q-001

Given:

```
package beans.plans;  
public class WirelessPlan {  
    public static void doCall(){ }  
    public void doMessage() { }  
}
```

And:

```
package beans.handlers;  
// line n1  
public class Handler {  
    public static void main(String[] args) {  
        WirelessPlan wp = new WirelessPlan();  
        wp.doMessage();  
        wp.doCall();  
    }  
}
```

Which two code fragments, when inserted at line n1 independently, enable the code to compile successfully?

- A) import plans.WirelessPlan;
- B) import beans.*.*;
- C) import beans.plans.WirelessPlan;
- D) Import beans.WirelessPlan.*;
- E) import beans.plans.*;

Answer : C,E

Q-002

Given:

```
class Product {  
    String pname;  
    Product(String pname) {  
        this.pname = pname;  
    }  
}  
  
public class Test {  
    public static void main(String[] args) {  
        // insert code here line 7  
    }  
}
```

Which three code fragments, when inserted independently at line 7, successfully initialize prodlist?

- A) `Product[] prodlist = {new Product("Belt"), new Product("Shoe")};`
- B) `Product p1 = new Product("Belt");`
`Product p2 = new Product("Shoe");`
`Product[] prodlist = {p1, p2};`
- C) `Product[] prodlist = { Product("Belt"), Product("Shoe")};`
- D) `Product[] prodlist = new Product[2];`
`Products[0] = Product("Belt");`
`Products[1] = Product("Shoe");`
- E) `Product[] prodlist = new Product[2];`
`Products[0] = new Product("Belt");`
`Products[1] = new Product("Shoe");`

Answer : A,B,E

Q-003

Given the code fragment:

```
25. List fruits = new ArrayList();
26. fruits.add("apple");
27. fruits.add("banana");
28. fruits.add("orange");
29. fruits.add("mango");
30. fruits.add("kiwi");
31.
32. // insert code fragment here
```

Which two code fragments, when inserted independently at line32, remove the mango element from the fruits list?

- A) `Object fruit_name = "mango";`
 `fruits.remove(fruits.indexOf(fruit_name));`
- B) `fruits.remove(4);`
- C) `fruits.remove(fruits.indexOf("mango"));`
- D) `fruits.remove(fruits.indexOf("banana") + 1);`
- E) `fruits.remove(new StringBuilder("mango"));`

Answer : A,C

Q-004

Given the code fragments:

```
class A {  
    int x;  
    A() { System.out.print(" A " + x); }  
}  
class B extends A {  
    B() {  
        x++;  
        super.x = this.x;  
        System.out.print {" B " + x};  
    }  
    B (int y) {  
        this();  
        this.x = y;  
        System.out.print(" B2 " + x);  
    }  
}
```

And,

29. B bx = new B(200);

What is the result?

- A) A 200 B 201 B2 200
- B) A 0 B 1 B2 200
- C) B 1 B2 201
- D) B2 200 B 200
- E) B2 200 B 201 A 200
- F) B2 200 B 1 A 0

Answer : B

Q-005

Given:

```
class Test {  
    public static void main(String[] args) {  
        int x = 0;  
        int y = 0;  
        do {  
            while (x++ < 3) {  
                System.out.print("x ");  
            }  
            x=0;  
        } while (y++ < 2);  
    }  
}
```

What is the result?

- A) x x x
- B) x x x x x x
- C) x x x x x x x x
- D) An exception is thrown at runtime.
- E) compilation fails

Answer : C

Q-006

Given the code fragment:

```
1. import java.io.*;
2. public class Test {
3.     public int someMethod(int x, int y) {
4.         return 1;
5.     }
6.     // insert method definitions here
7. }
```

Which two method definitions, when inserted at line 6, compile?

- A) `public int someMethod(Integer x, Float y) {
 return 1;
}`
- B) `public int someMethod(int x, int y) throws IOException {
 return 1;
}`
- C) `private int someMethod(int x, int y) {
 return 1;
}`
- D) `public Integer someMethod(int x, int y) {
 return new Integer(1);
}`
- E) `public int someMethod(int x, int y, int z) {
 return 1;
}`

Answer : A,E

Q-007

Given the code fragment:

```
7.    String title = "Dr";
8.    switch (title) {
9.        String msg = "Welcome ";
10.       case "Ad":
11.           msg += " Advocate ";
12.           break;
13.       case "Dr":
14.           msg += " Doctor ";
15.       case "Er":
16.           msg += " Engineer ";
17.           break;
18.       default:
19.           msg += " Guest ";
20.       }
21.    System.out.println(msg);
```

What is the result?

- A) Welcome Doctor
- B) Welcome Doctor Engineer
- C) Welcome Doctor Guest
- D) Compilation fails due only to an error on line 8.
- E) Compilation fails due only to an error on line 9.
- F) Compilation fails due to errors on line 8 and line 9.

Answer : B

Q-008

Given:

```
class Test {  
    public static void main(String[] args) {  
        String unames[] = {"marrie", "princy", "milan", "duke"};  
        int count = 0;  
        for (String name : unames) {  
            String password = "";  
            int index = 1;  
            for (; index < name.length(); index += 2)  
                password += name.charAt(index);  
            unames[count] = password;  
            count++;  
        }  
        for (String name : unames)  
            System.out.print(name + " ");  
    }  
}
```

What is the result?

- A) are rny ia ue
- B) mri pic mln dk
- C) mr pn ma de
- D) An IndexOutOfBoundsException is thrown at runtime.

Answer:A