

Exam A

QUESTION 1

Given a valid DateFormat object named df, and

```
16. Date d = new Date(0L);
17. String ds = "December 15, 2004";
18. //insert code here
```

What updates d's value with the date represented by ds?

- A. `d = df.parse(ds);`
- B. `d = df.getDate(ds);`
- C.

```
try {
    d = df.parse(ds);
} catch(ParseException e) { };
```
- D.

```
try {
    d = df.getDate(ds);
} catch(ParseException e) { };
```

Correct Answer: C

QUESTION 2

Given:

```
11. double input = 314159.26;
12. NumberFormat nf = NumberFormat.getInstance(Locale.ITALIAN);
13. String b;
14. //insert code here
```

Which code, inserted at line 14, sets the value of b to 314.159,26?

- A. `b = nf.parse(input);`
- B. `b = nf.format(input);`
- C. `b = nf.equals(input);`
- D. `b = nf.parseObject(input);`

Correct Answer: B

QUESTION 3

Given:

- 1. d is a valid, non-null Date object
- 2. df is a valid, non-null DateFormat object set to the current locale

What outputs the current locale's country name and the appropriate version of d's date?

- A.

```
Locale loc = Locale.getLocale();
System.out.println(loc.getDisplayCountry()
    + " " + df.format(d));
```
- B.

```
Locale loc = Locale.getDefault();
System.out.println(loc.getDisplayCountry()
    + " " + df.format(d));
```
- C.

```
Locale loc = Locale.getLocale();
System.out.println(loc.getDisplayCountry()
    + " " + df.setDateFormat(d));
```
- D.

```
Locale loc = Locale.getDefault();
System.out.println(loc.getDisplayCountry()
    + " " + df.setDateFormat(d));
```

Correct Answer: B

QUESTION 4

Given:

```
import java.util.Date;
import java.text.DateFormat;

21. DateFormat df;
22. Date date = new Date();
23. //insert code here
24. String s = df.format(date);
```

Which code fragment, inserted at line 23, allows the code to compile?

- A. `df = new DateFormat();`
- B. `df = Date.getFormat();`
- C. `df = date.getFormat();`
- D. `df = DateFormat.getFormat();`
- E. `df = DateFormat.getInstance();`

Correct Answer: E

QUESTION 5

Given:

```
NumberFormat nf = NumberFormat.getInstance();
nf.setMaximumFractionDigits(4);
nf.setMinimumFractionDigits(2);
String a = nf.format(3.1415926);
String b = nf.format(2);
```

Which two statements are true about the result if the default locale is `Locale.US`? (Choose two.)

- A. The value of `b` is 2.
- B. The value of `a` is 3.14.
- C. The value of `b` is 2.00.
- D. The value of `a` is 3.141.
- E. The value of `a` is 3.1415.
- F. The value of `a` is 3.1416.
- G. The value of `b` is 2.0000.

Correct Answer: CF

QUESTION 6

Given:

```
33. Date d = new Date(0);
34. String ds = "December 15, 2004";
35. // insert code here
36. try {
37.     d = df.parse(ds);
38. }
39. catch(ParseException e) {
40.     System.out.println("Unable to parse " + ds);
41. }
42. // insert code here too
```

What creates the appropriate `DateFormat` object and adds a day to the `Date` object?

- A. 35. `DateFormat df = DateFormat.getDateFormat();`
42. `d.setTime((60 * 60 * 24) + d.getTime());`
- B. 35. `DateFormat df = DateFormat.getDateInstance();`
42. `d.setTime((1000 * 60 * 60 * 24) + d.getTime());`

- C. `35. DateFormat df = DateFormat.getDateFormat();`
`42. d.setLocalTime((1000*60*60*24) + d.getLocalTime());`
- D. `35. DateFormat df = DateFormat.getDateInstance();`
`42. d.setLocalTime((60 * 60 * 24) + d.getLocalTime());`

Correct Answer: B

QUESTION 7

Given:

```
12. Date date = new Date();  
13. df.setLocale(Locale.ITALY);  
14. String s = df.format(date);
```

The variable `df` is an object of type `DateFormat` that has been initialized in line 11. What is the result if this code is run on December 14, 2000?

- A. The value of `s` is 14-dic-2000.
- B. The value of `s` is Dec 14, 2000.
- C. An exception is thrown at runtime.
- D. Compilation fails because of an error in line 13.

Correct Answer: D