

1

Which of the following can be inserted into the blank to create a date of June 21, 2014?
(Choose all that apply.)

```
import java.time.*;

public class StartOfSummer {
    public static void main(String[] args) {
        LocalDate date = _____
    } }
```

- A. `new LocalDate(2014, 5, 21);`
- B. `new LocalDate(2014, 6, 21);`
- C. `LocalDate.of(2014, 5, 21);`
- D. `LocalDate.of(2014, 6, 21);`

2

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());
```

- A. 2018 APRIL 2
- B. 2018 APRIL 30
- C. 2018 MAY 2
- D. The code does not compile.
- E. A runtime exception is thrown.

3

What is the output of the following code?

```
LocalDate date = LocalDate.of(2018, Month.APRIL, 40);
System.out.println(date.getYear() + " " + date.getMonth()
    + " " + date.getDayOfMonth());
```

- A. 2018 APRIL 4
- B. 2018 APRIL 30
- C. 2018 MAY 10
- D. Another date
- E. The code does not compile.
- F. A runtime exception is thrown.

4

What is the output of the following code?

```
LocalDate date = LocalDate.of(2018, Month.APRIL, 30);  
date.plusDays(2);  
date.plusYears(3);  
System.out.println(date.getYear() + " "  
    + date.getMonth() + " "+ date.getDayOfMonth());
```

- A. 2018 APRIL 2
- B. 2018 APRIL 30
- C. 2018 MAY 2
- D. 2021 APRIL 2
- E. 2021 APRIL 30
- F. 2021 MAY 2
- G. A runtime exception is thrown.

5

What is the output of the following code?

```
LocalDateTime d = LocalDateTime.of(2015, 5, 10, 11, 22, 33);  
Period p = Period.of(1, 2, 3);  
d = d.minus(p);  
DateTimeFormatter f = DateTimeFormatter.  
    ofLocalizedTime(FormatStyle.SHORT);  
System.out.println(d.format(f));
```

- A. 3/7/14 11:22 AM
- B. 5/10/15 11:22 AM
- C. 3/7/14
- D. 5/10/15
- E. 11:22 AM
- F. The code does not compile.
- G. A runtime exception is thrown.

6

What is the output of the following code?

```
LocalDateTime d = LocalDateTime.of(2015, 5, 10, 11, 22, 33);  
Period p = Period.ofDays(1).ofYears(2);  
d = d.minus(p);  
DateTimeFormatter f = DateTimeFormatter.  
    ofLocalizedDateTime(FormatStyle.SHORT);  
System.out.println(f.format(d));
```

- A. 5/9/13 11:22 AM
- B. 5/10/13 11:22 AM
- C. 5/9/14
- D. 5/10/14
- E. The code does not compile.
- G. A runtime exception is thrown.

7

Which of the answer choices is true given the following code? (Choose all that apply.)

```
2016-08-28T05:00 GMT-04:00  
2016-08-28T09:00 GMT-06:00
```

- A. The first date/time is earlier.
- B. The second date/time is earlier.
- C. Both date/times are the same.
- D. The date/times are 2 hours apart.
- E. The date/times are 6 hours apart.
- F. The date/times are 10 hours apart.

8

Note that March 13, 2016, is the weekend that clocks spring ahead for daylight savings time. What is the output of the following?

```
LocalDate date = LocalDate.of(2016, Month.MARCH, 13);
LocalTime time = LocalTime.of(1, 30);
ZoneId zone = ZoneId.of("US/Eastern");
ZonedDateTime dateTime1 = ZonedDateTime.of(date, time, zone);
ZonedDateTime dateTime2 = dateTime1.plus(1, ChronoUnit.HOURS);

long hours = ChronoUnit.HOURS.between(dateTime1, dateTime2);
int clock1 = dateTime1.getHour();
int clock2 = dateTime2.getHour();
System.out.println(hours + "," + clock1 + "," + clock2);
```

- A. 1,1,2
- B. 1,1,3
- C. 2,1,2
- D. 2,1,3
- E. The code does not compile.
- F. A runtime exception is thrown.

9

Note that March 13, 2016, is the weekend that we spring forward, and November 6, 2016, is when we fall back for daylight savings time. Which of the following can fill in the blank without the code throwing an exception?

```
ZoneId zone = ZoneId.of("US/Eastern");
LocalDate date = _____;
LocalTime time1 = LocalTime.of(2, 15);
ZonedDateTime a = ZonedDateTime.of(date4, time1, zone);
```

- A. LocalDate.of(2016, 3, 13)
- B. LocalDate.of(2016, 3, 40)
- C. LocalDate.of(2016, 11, 6)
- D. LocalDate.of(2016, 11, 7)
- E. LocalDate.of(2017, 2, 29)

10

Given the following code, which of the answer choices can fill in the blank to print true? (Choose all that apply.)

```
String m1 = Duration.of(1, ChronoUnit.MINUTES).toString();
String m2 = Duration.ofMinutes(1).toString();
String s = Duration.of(60, ChronoUnit.SECONDS).toString();

String d = Duration.ofDays(1).toString();
String p = Period.ofDays(1).toString();

System.out.println(_____);
```

- A. `m1 == m2`
- B. `m1.equals(m2)`
- C. `m1.equals(s)`
- D. `d == p`
- E. `d.equals(p)`

11

Given the following, which answers can correctly fill in the blank? (Choose all that apply.)

```
LocalDate date = LocalDate.now();
LocalTime time = LocalTime.now();
LocalDateTime dateTime = LocalDateTime.now();
ZoneId zoneId = ZoneId.systemDefault();
ZonedDateTime zonedDateTime = ZonedDateTime.of(dateTime, zoneId);
long epochSeconds = 0;
Instant instant = _____;
```

- A. `Instant.now()`
- B. `Instant.ofEpochSecond(epochSeconds)`
- C. `date.toInstant()`
- D. `dateTime.toInstant()`
- E. `time.toInstant()`
- F. `zonedDateTime.toInstant()`

12

Which of the following are stored in a `Period` object? (Choose all that apply.)

- A. Year
- B. Month
- C. Day
- D. Hour
- E. Minute
- F. Second

Which of the following objects could contain the information “eastern standard time”?
(Choose all that apply.)

- A. Instant
- B. LocalDate
- C. LocalDateTime
- D. LocalTime
- E. ZonedDateTime