ANSWER KEY

1. **D**
2. **B**
3. **C**
4. **C**
5. **B**
6. **C**
7. **E**
8. **E**
9. **A**
10. **A**
11. **C**
12. **B**
13. **E**
14. **C**
15. **D**
16. **E**
17. **D**
18. **B**
19. **E**
20. **D**
21. **A**
22. **A**
23. **C**

ANSWERS EXPLAINED

1. **(D)** There are just two constructors. Constructors are recognizable by having the same name as the class, and no return type.

2. **(B)** Each of the private instance variables should be assigned the value of the matching parameter. Choice B is the only choice that does this. Choice D confuses the order of the assignment statements. Choice A gives the code for the *default* constructor, ignoring the parameters. Choice C would be correct if it were `resetTime(h, m, s)`. As written, it doesn't assign the parameter values `h`, `m`, and `s` to `hrs`, `mins`, and `secs`. Choice E is wrong because the keyword `new` should be used to create a new object, not to implement the constructor!

3. **(C)** Replacement III will automatically print time `t` in the required form since a `toString` method was defined for the `Time` class. Replacement I is wrong because it doesn't refer to the parameter, `t`, of the method. Replacement II is wrong because a client program may not access private data of the class.

4. **(C)** The parameter names can be the same—the *signatures* must be different. For example,

```
public void print(int x)        //prints x
public void print(double x)     //prints x
```

   The signatures (method name plus parameter types) here are `print(int)` and `print(double)`, respectively. The parameter name `x` is irrelevant. Choice A is true: All local variables and parameters go out of scope (are erased) when the method is exited. Choice B is true: Static methods apply to the whole class. Only instance methods have an implicit `this` parameter. Choice D is true even for object parameters: Their references are passed by value. Note that choice E is true because it's possible to have two different constructors with different signatures but the same number of parameters (e.g., one for an `int` argument and one for a `double`).

5. **(B)** Constructing an object requires the keyword `new` and a constructor of the `Date` class. Eliminate choices D and E since they omit `new`. The class name `Date` should appear on the right-hand side of the assignment statement, immediately following the keyword `new`. This eliminates choices A and C.