

# Core Java Practice Paper-1

Total points 20/40 ?

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✓ 6. What are the advantages of Using Reflection?

1/1

- ☐ Extensibility Features
- ☐ Debugging and testing tools
- ☒ Both A and B
- ☐ None



✓ 4. How can private methods & fields be accessed using reflection?

1/1

- ☐ getDeclaredFields
- ☒ getDeclaredMethods
- ☐ getMethods
- ☐ setAccessible(true)



✗ 38. Which of these is a valid declaration of a class?



- ☐ class Test<T extends Runnable> { }
- ☐ class Test<T implements Runnable> { }
- ☐ class Test<T super Runnable> { }
- ☒ All of these

Correct answer

- ☒ class Test<T extends Runnable> { }



✓ 26. To control inheritance to different classes and levels, Java provides \_\_\_\_\_.

- ☐ Static keyword
- ☒ Access modifiers like default, public, protected, private
- ☐ Return types like the void, int, float, double and other object types
- ☐ None of the above



✗ 3. What is used to get class name in reflection?



- ☐ getClass().getName()
- ☒ getClass().getFields()
- ☐ getClass().getDeclaredFields()
- ☐ new getClass()

Correct answer

- ☒ getClass().getName()



✓ 34. Which of the following reference types cannot be generic?


- ☒ Anonymous inner class
- ☐ Interface
- ☐ Inner class
- ☐ All of the mentioned

✗ 11. If a class name is received as command line argument, how can it be loaded?

- ☐ By creating an object of the class
- ☒ By invoking one of its method
- ☐ By calling .class
- ☐ By forName() method of Class

Correct answer

- ☒ By forName() method of Class

✗ 24. Which of the following declares an abstract method in an abstract java class?  1

- ☒ public abstract method();
- ☐ public abstract void method();
- ☐ public void abstract method();
- ☐ public void method();

Correct answer

- ☒ public abstract void method();

✓ 39. Collection classes are defined in which packages?  1/1

- ☐ [java.io](#) package
- ☐ java.lang package
- ☒ java.util package
- ☐ java.sql package

✗ 18. Which is/are false statements  1

- ☐ final class cannot be inherited
- ☒ final method can be inherited
- ☐ final method can be overridden
- ☐ final variable of a class cannot be changed.

Correct answer

- ☒ final method can be overridden

✗ 14. How sorting speed has been improved significantly on multi-core machine by using.

- ☐ Array.parallelSort
- ☒ Collection.parallelSort
- ☐ Array.SortParallel
- ☐ Array.Sort

Correct answer

- ☒ Array.parallelSort

✗ 37. Generics does not work with?

- ☐ Set
- ☐ List
- ☒ Tree
- ☐ Array

Correct answer

- ☒ Array

▶ (DO NOT MODIFY THIS ANSWER-for official purposes only )

FORM\_TIMER\_UNIQUE\_IDENTIFIER

This is your unique identifier. Please do not modify this.

-NlqGsue18cYBHleY4S0

✓ 9. Which of the following is not a class of reflection API?

- ☒ Class
- ☐ Field
- ☐ Method
- ☐ Constructor

✗ 7. What are the drawbacks of Java Reflection?

- ☒ Poor Performance
- ☐ Security Restrictions
- ☐ Security Issues
- ☐ All of the above

Correct answer

- ☒ All of the above

✓ 8. What is the usage of java.lang.Class class?

- ☐ Provides methods to get the metadata of a class at runtime
- ☐ Provides methods to examine and change the runtime behavior of a class
- ☒ Both A and B
- ☐ None

✗ 2. What is not true about Reflection?

0/1

- ☒ Examine a class's field and method at runtime
- ☐ Construct an object for a class at runtime
- ☐ Examine a class's field at compile time
- ☐ Examine an object's class at runtime

Correct answer

- ☒ Examine a class's field at compile time



✓ 32. Which of these is not a correct statement?



1/1

- ☐ Every class containing abstract method must be declared abstract
- ☐ Abstract class defines only the structure of the class not its implementation
- ☒ Abstract class can be initiated by new operator
- ☐ Abstract class can be inherited



✓ 35. Which of these types cannot be used to initiate a generic type?



1

- ☐ Integer class
- ☐ Float Class
- ☒ Primitive Types
- ☐ Collections



✖ 25. what is the return type of instanceof?

0/1

- ☒ void
- ☐ boolean
- ☐ int
- ☐ long

Correct answer

- ☒ boolean



✖ 20. Which of these method of object class can clone an object?



0/1

- ☐ copy()
- ☐ clone()
- ☐ Objectcopy()
- ☐ Object clone()





✗ 33. Why are generics used?



5/1

- ☐ Generics make code more fast
- ☒ Generics make code more optimised and readable
- ☐ Generics add stability to your code by making more of your bugs detectable at compile time
- ☐ Generics add stability to your code by making more of your bugs detectable at a runtime



Correct answer

- ☒ Generics add stability to your code by making more of your bugs detectable at compile time



✓ 16. Which inheritance in java programming is not supported?



1/1



- ☒ Multiple inheritance using classes
- ☐ Multiple inheritance using interfaces
- ☐ Multilevel inheritance
- ☐ Single inheritance



✗ 1. Which of the following is not a marker interface?



5/1

- ☐ Serializable
- ☒ Cloneable
- ☐ Remote
- ☐ Reader



Correct answer



- ☒ Reader

✓ 29. Which of these class relies upon its subclasses for complete implementation of its methods?



1/1



- ☐ Object class
- ☒ abstract class
- ☐ ArrayList class
- ☐ None of the mentioned



✓ 10. Which is not true of Reflection?



1/1



- ☐ Examine a class's field and method at runtime
- ☐ Construct an object for a class at runtime
- ☒ Examine a class's field at compile time
- ☐ Examine an object's class at runtime



✗ 40. Collection(I), List(I), Set(I), Queue(I) and all its subclasses are meant for?

- ☐ Represent a group of individual objects.
- ☐ Represent a group of objects as key-value pairs.
- ☒ Both (a) and (b)
- ☐ None of these

Correct answer

- ☒ Represent a group of individual objects.

✗ 19. The functionality of multiple inheritance can be implemented in Java by

- I. Extending one class and implementing multiple interfaces.
- II. Implementing multiple interfaces.
- III. Extending multiple classes and interfaces.
- IV. Extending multiple classes and one interface.

- ☒ Only I
- ☐ Only III
- ☐ I & II
- ☐ II & III

Correct answer

- ☒ I & II



✓ 17. If class B is subclass from class A then which is the correct syntax

- ☐ class B:A{}
- ☒ class B extends A{}
- ☐ class B extends class A{}
- ☐ class B implements A{}



✖ 28. What will be the output of the following Java program?

0/1

```
class A
{
    int i;
}

class B extends A
{
    int j;

    void display()
    {
        super.i = j + 1;

        System.out.println(j + " " + i);
    }
}

class inheritance
{
    public static void main(String args[])
    {
        B obj = new B();

        obj.i=1;

        obj.j=2;

        obj.display();
    }
}
```



- ☐ 2 2
- ☐ 3 3
- ☐ 2 3
- ☒ 3 2

Correct answer

- ☒ 2 3

✓ 23. Which of the following class definition defines a legal abstract class?

- ☐ class A {abstract void unfinished() {}}
- ☐ class A {abstract void unfinished() ;}
- ☒ abstract class A {abstract void unfinished() ;}
- ☐ public class abstract A {abstract void unfinished() ;}

✗ 30. Choose correct statements about an Abstract class in Java?

- ☒ An abstract class implementing an Interface, need not implement methods of an interface
- ☐ An abstract class extending another abstract class, need not define methods of super abstract class.
- ☐ The first subclass of an abstract class should define all the abstract methods inherited from all the interfaces and super abstract classes.
- ☐ All the above

Correct answer

- ☒ All the above

✓ 12. When a dynamic class loading fails, which of the following exceptions is thrown?

- ☐ No Class Def Found Error
- ☒ Class Not Found Exception
- ☐ Invalid Class Exception

✓ 13. Which operation is performed at the end?

- ☒ Terminal operation
- ☐ Ending operation
- ☐ Last Operation

✗ 36. Which of the following are the benefits of Java generics?

- ☒ Type-safety
- ☐ Typecasting is not required
- ☐ Compile-Time Checking
- ☐ All of these

Correct answer

- ☒ All of these

✓ 22. If a class inheriting an abstract class does not define all of its function then it will be known as? 1/1

- ☒ Abstract
- ☐ A simple class
- ☐ Static class
- ☐ None of the mentioned

✓ 31. An abstract class in Java usually contains one or more abstract \_\_\_\_\_. 1/1

- ☐ constructors
- ☒ methods
- ☐ variables
- ☐ None

✗ 5. What does `Class.forName("myreflection.Foo").getInstance()` return? 1/1

- ☐ An array of Foo objects
- ☒ class object of Foo
- ☐ Calls the `getInstance()` method of Foo class
- ☐ Foo object

Correct answer

- ☒ Foo object



✓ 27. Order of execution of constructors in Java Inheritance is

- ☐ Base to derived class
- ☒ Derived to base class
- ☐ Random order
- ☐ None



✗ 15. What is predicate in Java 8

- ☒ Method
- ☐ Class
- ☐ Interface
- ☐ FrameWork

Correct answer

- ☒ Interface



✓ 21. What would be the result if a class extends two interfaces and both have a method with same name and signature? Let's assume that the class is not implementing that method.

- ☐ Runtime error
- ☒ Compile time error
- ☐ Code runs successfully
- ☐ First called method is executed



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