

# Core Java Practice Paper-4

Total points 25/40 ?

Core Java Practice Paper - 4

The respondent's email (dac096\_0922@met.edu) was recorded on submission of this form.

Roll No.

96

✓ 1. If Code is going to generate checked exception

1/1

Following requirements can be done

- ☐ You can handle checked exception in try catch finally block
- ☐ If you do not wish to handle then you can declare that method with throws clause
- ☒ Either of 1 and 2 above ✓
- ☐ None of the above

✓ 2. Which are also known as inner classes?

1/1

- ☐ Nested class
- ☐ Static nested class
- ☒ Non-static nested class ✓
- ☐ None of the above



✓ 3. Which statement is true about a static nested class?

1/1

- ☐ It must extend the enclosing class.
- ☐ It's variables and methods must be static.
- ☒ It does not have access to nonstatic members of the enclosing class. ✓
- ☐ You must have a reference to an instance of the enclosing class in order to instantiate it.

✓ 4. Classes that extend \_\_\_\_\_ are unchecked exceptions.

1/1

- ☐ Throwable
- ☐ Exception
- ☒ RuntimeException ✓
- ☐ Error



✓ 5.

1/1

☒ Entries are organized as key/value pairs

☒ Duplicate entries replace old entries

Which interface of the java.util package offer the specified behaviour?

☐ List

☒ Map

☐ Set

☐ None of the above

✓

✗ 6. How many methods are defined in the Cloneable interface?

0/1

☐ None

☐ One

☒ Two

☐ None of the above

✗

Correct answer

☒ None



✗ 7. Identify the correct restriction on static methods.

0/1

1 - They must access only static data

2 - They can only call other static methods.

3 - They cannot refer to this or super.

☐ 1 and 2

☐ 2 and 3

☒ only 3

☐ all 3

✗

Correct answer

☒ all 3

✓ 8. Which component is used to compile, debug and execute the java programs?

1/1

☐ JRE

☐ JIT

☒ JDK

☐ JVM

✓



✗ 9. predict the output of following java program?

0/1

```
class Test

{

    int i;

}

class Main{

    public static void main(String[] args)

    { Test t;

        System.out.println(t.i);

    }

}
```

- ☒ 0
- ☐ garbage value
- ☐ compiler error
- ☐ runtime error

✗

Correct answer

- ☒ compiler error



✓ 10. When Overloading does not occur?

1/1

- ☐ More than one method with same name but different number or type of parameters
- ☐ More than one method with same name but different number of parameter
- ☐ More than one method with same name, same number of parameters but different type of parameters
- ☒ More than one method with same name, same number of parameters and same type of parameters but return type is different ✓

✓ 11. In which case we write one try and many catch blocks in a program?

1/1

- ☐ Most generic class should precede most specific class
- ☐ Most specific class should precede most generic class
- ☒ There is no such rule ✓
- ☐ Compiler will report an error if you do so



✓ 12. class B extends A and B overrides the dostuff() method inherited from A. which method will get called if you say  
A ob= new B();  
ob.dostuff(); 1/1

- ☒ dostuff() of B
- ☐ dostuff() of A
- ☐ There will be ambiguity
- ☐ None of the above



✗ 13. Can we create one or more package declaration per source file? 0/1

- ☐ No you can have only one package declaration per file
- ☒ Yes specify multiple package declaration at starting of the program
- ☐ Yes you can use scope braces to show which package definition holds good for respected blocks
- ☐ None of the above



Correct answer

- ☒ No you can have only one package declaration per file



✓ 14. How can you achieve object locking in Threads?

1/1

- ☐ Using join method
- ☐ Using Serializable
- ☒ Using Synchronized keyword
- ☐ All of the above



✗ 15. What is the use of flush method?

0/1

- ☐ Flushes any data that is in the buffer to the file
- ☐ Flushes any data that is in the buffer to the file and closes the stream.
- ☒ Both 1 and 2
- ☐ None of the above



Correct answer

- ☒ Flushes any data that is in the buffer to the file





✗ 16. String s1="hello"; String s2="hello"; which one will return true?

0/1

- ☐ s1 == s2
- ☐ s1.equals(s2)
- ☒ Both 1 and 2
- ☐ None of the above

✗

Correct answer

- ☒ s1.equals(s2)

✓ 17. Keeping the default layout of Frame if we give,  
add(new Button("first"));  
add(new Button("second"));  
what will be the output

1/1

- ☐ Frame with only "first " button
- ☐ Frame with only "second" button
- ☒ Frame with both the buttons
- ☐ None of the above

✓



✗ 18. What should be done to execute a thread for an object derived from the Thread class? 0/1

- ☐ The run() method should be directly invoked on the Object.
- ☐ The start() method should be directly invoked on the Object.
- ☒ The init() method should be directly invoked on the Object. ✗
- ☐ The creation of the object using the new operator would create a new thread and invoke its run() method.

Correct answer

- ☒ The start() method should be directly invoked on the Object.

✗ 19. Which of the following containers use a border Layout as their default layout? 0/1

- ☒ Window ✗
- ☐ Frame
- ☐ Dialog
- ☐ All of the above

Correct answer

- ☒ All of the above



✗ 20. Which statement is false from the following?

0/1

- ☐ Objects that subclass the Observable class maintain a list of observers.
- ☐ When an Observable object is updated it invokes the update() method.
- ☐ The Observer interface is not implemented by objects that observe Observable objects.
- ☒ All of the above

✗

Correct answer

- ☒ The Observer interface is not implemented by objects that observe Observable objects.

✗ 21. Which one is runtime polymorphism?

0/1

- ☐ MethodOverloading
- ☐ MethodOverriding
- ☒ Both A and B
- ☐ None of the above

✗

Correct answer

- ☒ MethodOverriding



- ✓ 22. The functionality of multiple inheritance can be implemented in Java by 1/1
- 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



- ✓ 23. To prevent a class to be inherited / extended, the class should be 1/1

- ☒ final class
- ☐ abstract class
- ☐ final and abstract both
- ☐ none



- ✗ 24. Static members are not inherited to subclass. 0/1

- ☒ TRUE
- ☐ FALSE



Correct answer

- ☒ FALSE



✓ 25. A superclass reference can not be used to invoke a method or variable of the subclass. State TRUE or FALSE. 1/1

☒ TRUE



☐ FALSE

✓ 26. When a Class inherits two superclasses (not in Java), it is called \_\_\_\_ inheritance. 1/1

☒ Multilevel inheritance



☐ Single Inheritance

☐ Multiple Inheritance

☐ None

✓ 27. To stop or block inheriting a given class, the \_\_\_\_ keyword is used before the class. 1/1

☐ static

☐ private

☒ final



☐ none of the above



✗ 28. An interface with no fields or methods is known as a \_\_\_\_.

0/1

- ☐ Runnable Interface
- ☐ Marker Interface
- ☒ Abstract Interface
- ☐ CharSequence Interface

✗

Correct answer

- ☒ Marker Interface

✓ 29. Which of these keywords is used to refer to member of base class from a subclass? 1/1

- ☒ super
- ☐ upper
- ☐ none of these
- ☐ this

✓



✗ 30. The wrapper classes are part of the which package, that is imported by default into all Java programs? 0/1

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

✗

Correct answer

- ☒ java.lang

✗ 31. Which of the following statements are incorrect?

0/1

- ☒ String is a class
- ☐ Strings in java are mutable
- ☐ "Every string is an object of class String"
- ☐ Java defines a peer class of String, called StringBuffer, which allows string to be altered

✗

Correct answer

- ☒ Strings in java are mutable



✓ 32. Where does the primitive data type values be stored?

1/1

- ☐ Heap Memory
- ☒ Stack Memory
- ☐ Both A & B
- ☐ None of the above



✗ 33. Which is true about an anonymous inner class?

0/1

- ☐ It can extend exactly one class and implement exactly one interface.
- ☒ It can extend exactly one class and can implement multiple interfaces.
- ☐ It can extend exactly one class or implement exactly one interface.
- ☐ It can implement multiple interfaces regardless of whether it also extends a class.



Correct answer

- ☒ It can extend exactly one class or implement exactly one interface.

✓ 34. Which of these method of String class can be used to test to strings for equality?

1/1

- ☐ isequal()
- ☐ isequals()
- ☐ equal()
- ☒ equals()





✓ 35. Which of the following is true about the anonymous inner class? 1/1

- ☐ It has only methods
- ☐ Objects can't be created
- ☐ It has a fixed class name
- ☒ It has no class name



✓ 36. Deadlock is a situation when thread is waiting for other thread to release acquired object. 1/1

- ☒ TRUE
- ☐ FALSE



✓ 37. What should NOT be done to avoid deadlock? 1/1

- ☐ Avoid using multiple threads
- ☐ Avoid hold several locks at once
- ☒ Execute foreign code while holding a lock
- ☐ Use interruptible locks



✓ 38. A thread can acquire a lock by using which reserved keyword?

1/1

- ☐ volatile
- ☒ synchronized
- ☐ locked
- ☐ None of these



✓ 39. How to access static nested classes?

1/1

- ☒ OuterClass.StaticNestedClass
- ☐ OuterClass->StaticNestedClass
- ☐ OuterClass(StaticNestedClass)
- ☐ OuterClass[StaticNestedClass]



✓ 40. How to create object of the inner class?

1/1

- ☒ OuterClass.InnerClass innerObject = outerObject.new InnerClass();
- ☐ OuterClass.InnerClass innerObject = new InnerClass();
- ☐ InnerClass innerObject = outerObject.new InnerClass();
- ☐ OuterClass.InnerClass = outerObject.new InnerClass();



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