

Core Java Practice Paper-3

Total points 23/50 ?

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The respondent's email (dac096_0922@met.edu) was recorded on submission of this form.

Roll No.

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0/1

1. Under JVM, _____ handles translation of byte-code into machine instructions.

- ☒ System Class Loader
- ☐ Hot-Spot Engine
- ☐ Runtime Library
- ☐ None of the above



Correct answer

- ☒ Hot-Spot Engine



✗ 2. Apart from java.lang.Object, every class in Java inherits from _____ one0/1 class.

- ☒ at least
- ☐ almost
- ☐ exactly
- ☐ All of the above

✗

Correct answer

- ☒ exactly

✓ 3. A protected member declared in a class is accessible to any _____. 1/1

- ☒ subclass
- ☐ any subclass or a class in the current package.
- ☐ class in the current package
- ☐ None of the above

✓

✓ 4. Given threads t1 and t2. In its run method t1 executes t2.join(),_____ 1/1
thread will be blocked.

- ☒ t1
- ☐ t2
- ☐ main
- ☐ All of the above

✓



✓ 5. The filter method of stream API is _____ operation.

1/1

- ☐ an initial
- ☐ a terminal
- ☒ an intermediate
- ☐ All of the above



✗ 6. Random access in _____ has a complexity of $O(n)$.

0/1

- ☒ java.util.ArrayList
- ☐ java.util.LinkedList
- ☐ java.util.HashSet
- ☐ None of the above



Correct answer

- ☒ java.util.LinkedList



✗ 7. The wait and notify methods are members of ____.

0/1

- ☐ java.lang.Object
- ☒ java.lang.Thread
- ☐ java.lang.Monitor
- ☐ All of the above

✗

Correct answer

- ☒ java.lang.Object

✓ 8. A non-static field declared with ____ modifier is not serialized.

1/1

- ☐ private
- ☐ protected
- ☒ transient
- ☐ None of the above

✓



✗ 9. Annotation with _____ retention policy is discarded by the compiler. 0/1

- ☐ SOURCE
- ☒ CLASS
- ☐ RUNTIME
- ☐ All of the above

✗

Correct answer

- ☒ SOURCE

✗ 10. The for-each loop syntax requires the source object to implement _____. 0/1

- ☐ java.util.Iterable
- ☐ java.lang.Iterable
- ☒ java.util.Iterator
- ☐ All of the above

✗

Correct answer

- ☒ java.lang.Iterable



✗ 11. Following is true about Abstract class

0/1

- ☐ Static inner class
- ☒ Visible outside of its package
- ☐ Friend class
- ☐ Cannot be instantiated

✗

Correct answer

- ☒ Cannot be instantiated

✓ 12. Following is true about Final class.

1/1

- ☐ Static inner class
- ☐ Visible outside of its package
- ☐ Friend class
- ☒ Cannot be extended

✓

✓ 13. Following is true about Public class.

1/1

- ☐ Static inner class
- ☒ Visible outside of its package
- ☐ Friend class
- ☐ Cannot be extended

✓



✓ 14. Following is true about Nested class.

1/1

- ☒ Static inner class
- ☐ Visible outside of its package
- ☐ Friend class
- ☐ Cannot be extended



✓ 15. Following is true about Anonymous class.

1/1

- ☐ Static inner class
- ☒ Exactly one instance
- ☐ Friend class
- ☐ Cannot be extended



✗ 16. Public members of a non-public class are not accessible outside its package.

0/1

- ☐ TURE
- ☒ FALSE
- ☐ NA
- ☐ Option 4



Correct answer

- ☒ TURE



✓ 17. URLClassLoader is the parent of system class-loader.

1/1

- ☐ TURE
- ☒ FALSE
- ☐ NA
- ☐ Option 4



✗ 18. Static member fields of a class are included in the serialization process.

0/1

- ☒ TRUE
- ☐ FALSE
- ☐ NA
- ☐ Option 4



Correct answer

- ☒ FALSE



✗ 19. The default security-manager does not allow creation of class-loader. 0/1

☐ TRUE

☒ FALSE

✗

☐ NA

☐ Option 4

Correct answer

☒ TRUE

✗ 20. The start method of Thread can be used to restart a stopped thread. 0/1

☒ TRUE

✗

☐ FALSE

☐ NA

☐ Option 4

Correct answer

☒ FALSE



✓ 21. An interface cannot inherit from multiple interfaces.

1/1

- ☐ TRUE
- ☒ FALSE
- ☐ NA
- ☐ Option 4



✓ 22. An inner non-static member class cannot have static members.

1/1

- ☒ TRUE
- ☐ FALSE
- ☐ NA
- ☐ Option 4



✗ 23. A thread can acquire monitors of more than one object.

0/1

- ☐ TRUE
- ☒ FALSE
- ☐ NA
- ☐ Option 4



Correct answer

- ☒ TRUE



✗ 24. Object of a subclass of a serializable class is automatically serializable.

0/1

- ☐ TRUE
- ☒ FALSE
- ☐ NA
- ☐ Option 4

✗

Correct answer

- ☒ TRUE

✗ 25. In Java generics, a type parameter can be instantiated with new operator.

0/1

- ☒ TRUE
- ☐ FALSE
- ☐ NA
- ☐ Option 4

✗

Correct answer

- ☒ FALSE



✓ 26. Under Java, an organization of related classes is called a _____. 1/1

- ☒ Package
- ☐ namespace
- ☐ Assembly
- ☐ None of the above



✗ 27. All the fields of an interface are public static and ____ by default. 0/1

- ☐ transient
- ☐ Final
- ☒ None
- ☐ Both of the above



Correct answer

- ☒ Final



✗ 28. The java.lang. ____ class boxes a value of primitive type char in an object. 0/1

- ☐ Character
- ☐ Char
- ☒ Object
- ☐ None of the above

✗

Correct answer

- ☒ Character

✓ 29. The ____ keyword is used for making a block of code thread-safe. 1/1

- ☐ Sync
- ☒ synchronized
- ☐ using
- ☐ None of the above

✓



✗ 30. A class must implement ____ interface for customizing serialization of its objects. 0/1

☒ java.lang.Object.Serializable ✗

☐ java.io.Enumerable

☐ java.io.Externalizable

☐ None of the above

Correct answer

☒ java.io.Externalizable

✓ 31. Final key word can be applied to 1/1

☐ Class

☐ Field

☐ Method

☒ All of the above ✓



✗ 32. To apply static binding on methods use _____ modifier to methods. 0/1

- ☐ Final
- ☐ Virtual
- ☒ static
- ☐ None of the above

✗

Correct answer

- ☒ Final

✗ 33. To check object identity we can use _____. 0/1

- ☐ =
- ☐ instanceof
- ☐ ===
- ☒ None of the above

✗

Correct answer

- ☒ =



✓ 34. Finalize, Final, Finally, out of this following is used in exception handling.

1/1

- ☒ Finally
- ☐ Final
- ☐ Finalize
- ☐ None of the above



✓ 35. Checked Exception are checked at _____.

1/1

- ☒ Compile time
- ☐ Runtime
- ☐ Both
- ☐ None of the above



✓ 36. Checked Exceptions are inherited from

1/1

- ☒ Exception
- ☐ Throwable
- ☐ RuntimeException
- ☐ None of the above



✓ 37. If an object need to release its resource automatically, then _____. 1/1

- ☐ You have call finalize on object
- ☐ You have to call close on object
- ☒ Object has to implement Autocloseable ✓
- ☐ All of the above

✗ 38. Functional Interfaces are _____. 0/1

- ☐ Interfaces which have only one abstract method
- ☐ Interfaces which have only one implementedmethod
- ☒ Interfaces which have only one implemented method and one abstract method ✗
- ☐ None of the above

Correct answer

- ☒ Interfaces which have only one abstract method



✗ 39. To create thread , Thread constructor has to be passed.

0/1

- ☒ Object of class which implements Runnable
- ☐ Lamda Expression
- ☐ Anonymous which implements Runnable
- ☐ All of the above

✗

Correct answer

- ☒ All of the above

✗ 40. Wait, notify are method of

0/1

- ☒ Thread Class
- ☐ Object
- ☐ Runnable Interface
- ☐ None of the above

✗

Correct answer

- ☒ Object



✓ 41. Which of the following does not contain by a method?

1/1

- ☐ A name
- ☐ A list of input names
- ☐ A body of executable code
- ☒ None of the above



✗ 42. When we can declare a method as an abstract method?

0/1

- ☐ When we have to want child class to implement the behaviour of the method
- ☒ When we do not want child class to implement the behaviour of the method
- ☐ When we have to want super class to implement the behaviour of the method
- ☐ When we do not want super class to implement the behaviour of the method



Correct answer

- ☒ When we have to want child class to implement the behaviour of the method

✓ 43. Which of the following is not an access modifier in java?

1/1

- ☐ Public
- ☐ Protected
- ☒ Default
- ☐ None of the above



✓ 44. Which statement is false regarding Abstract class?

1/1

- ☐ We can call an abstract method from a Non abstract method in a Java abstract class.
- ☐ Abstract classes will provide the basic functionality of your application.
- ☒ A class may implement several interfaces also in case of abstract class a class may extend many abstract classes. ✓
- ☐ Child class, which inherited this class, will provide the functionality of the abstract methods in abstract class.
- ☐ Exceptions which must be caught using try.. catch() block or we should throw the exception using throws clause is called as

✗ 45. Exceptions which must be caught using try.. catch() block or we should throw the exception using throws clause is called as. 0/1

- ☐ Checked Exceptions
- ☐ Unchecked Exceptions
- ☒ Both 1 and 2
- ☐ None of the above

✗

Correct answer

- ☒ Checked Exceptions



✓ 46. Is there any limit to the length of an identifier?

1/1

- ☐ No
- ☒ Yes, 65535 characters is the maximum length
- ☐ Yes
- ☐ None of the above



✗ 47. Can we reference the implicit instance variable this from within a class method? 0/1

- ☐ Yes
- ☒ Yes but only in case of abstract class
- ☐ No
- ☐ None of the above



Correct answer

- ☒ Yes



✗ 48. Which statement is false regarding ARRAY in java?

0/1

- ☒ We can create an array with size determine at run time.
- ☐ We can not change the size of an array once created
- ☐ Both 1 and 2
- ☐ None of the above

✗

Correct answer

- ☒ None of the above

✓ 49. Which package by default included in java application?

1/1

- ☐ util
- ☐ io
- ☒ lang
- ☐ applet

✓



✗ 50. Which statement from the following is false regarding overriding?

0/1

- ☐ return type and arguments of both methods must be identical
- ☒ Overriding method must be having same or more accessibility as compare to overridden method ✗
- ☐ Overriding methods should not throw the checked exceptions not thrown by overridden methods
- ☐ None of the above

Correct answer

- ☒ Overriding methods should not throw the checked exceptions not thrown by overridden methods

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