Core Java Practice Paper-2_2 Total points 28/40 ?



Core Java Practice Paper-2_2

1. Which among the following best describes polymorphism?	1/1
It is the ability for a message/data to be processed in more than one form	✓
It is the ability for a message/data to be processed in only 1 form	
It is the ability for many messages/data to be processed in one way	
It is the ability for undefined message/data to be processed in at least one way	
2. What do you call the languages that support classes but not polymorphism?	1/1
Class based language	
Procedure Oriented language	
Object-based language	✓
If classes are supported, polymorphism will always be supported	
✓ 3. What is the use of final keyword in Java?	1/1
When a class is made final, a subclass of it can not be created.	
When a method is final, it can not be overridden.	
When a variable is final, it can be assigned value only once.	
All of the above	✓

4. Which of these is not abstract?	1/1
Thread	
AbstractList	7.X
○ List	
None of the Mentioned	*
	(i)
5. What happens when a constructor is defined for an interface?	<u> </u>
Compilation failure	₽
Compliation randic	
Runtime Exception	<i>S</i>
The interface compiles augescafully	
The interface compiles successfully	
The interface complies successfully The implementing class will throw exception	a
The implementing class will throw exception	A
	*
The implementing class will throw exception	♣
The implementing class will throw exception	♣
 The implementing class will throw exception 6. What type of variable can be defined in an interface? 	A
 The implementing class will throw exception 6. What type of variable can be defined in an interface? public static 	
 The implementing class will throw exception ★ 6. What type of variable can be defined in an interface? public static private final 	
 The implementing class will throw exception ★ 6. What type of variable can be defined in an interface? public static private final public final 	
 The implementing class will throw exception ★ 6. What type of variable can be defined in an interface? public static private final public final static final Correct answer	
 The implementing class will throw exception ★ 6. What type of variable can be defined in an interface? public static private final public final static final 	





7.Can a function return a value to the caller?	1/1
	()
Yes	
○ No	•
Only if the function is marked as "returning"	≡
Only if the function is marked as "output"	
	(i)
8.What concepts come under Polymorphism in java?	1/1
Method overloading	
Onstructor overloading	
Method overriding	
All the above	Ø
	A +
	Ź
9.Suppose A is an abstract class, B is a concrete subclass of A, and bo and B have a default constructor. Which of the following is correct?	oth A ⊕1
1. A a = new A();	$\overline{\bigcirc}$
2. A a = new B();	
3. B b = new A();	
4. B b = new B();	~
	()
1 and 2	~
2 and 4	✓
3 and 4	
① 1 and 3	i
	∑
	 Yes No Only if the function is marked as "returning" Only if the function is marked as "output" 8. What concepts come under Polymorphism in java? Method overloading Constructor overloading Method overriding All the above 9. Suppose A is an abstract class, B is a concrete subclass of A, and be and B have a default constructor. Which of the following is correct? 1. A a = new A(); 2. A a = new B(); 3. B b = new A(); 4. B b = new B(); 1 and 2 2 and 4 3 and 4

	· -	
✓	10.Which is true about an anonymous inner class?	
0	It can extend exactly one class and implement exactly one interface.	
\bigcirc	It can extend exactly one class and can implement multiple interfaces.	(1)
	It can extend exactly one class or implement exactly one interface.	✓ -
0	It can implement multiple interfaces regardless of whether it also extends a class	ss.
		_
		<u> </u>
		•
		Ŷ
		_
		□□
		~
		()

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```
class Boo
X 11.
                                                                                  0/1
              Boo(String s) {}
              Boo() { }
              class Bar extends Boo
           {
              Bar() { }
              Bar(String s) {super(s);}
              void zoo()
              // insert code here
     which one create an anonymous inner class from within class Bar?
     Boo f = new Boo(24) \{ \};
     Boo f = new Bar() \{ \};
                                                                                 <>
 Bar f = new Boo(String s) { };
                                                                                  X
     Boo f = new Boo.Bar(String s) { };
                                                                                  X
Correct answer
 Boo f = new Bar() { };
                                                                                 +
                                                                                 ($)
```

✓ 12. Which statement is true about a static nested class?	=- - 1 /1
You must have a reference to an instance of the enclosing class in or instantiate it.	der to
It does not have access to nonstatic members of the enclosing class	. ✓
It's variables and methods must be static.	:
It must extend the enclosing class.	≡
✓ 13. What does an interface contain?	i)1
Method definition	
Method declaration	✓
Method declaration and definition	==
Method name	
	?
	A +
✓ 14.Which of the following are valid lambda expressions?	1/1 2
String a, String b -> System.out.print(a+ b);	
() -> return;	0
(int i) -> i;	
(int i) -> i++; return i;	~
	0
	•



✓ 15. Given below code snippet	1/1
interface A {	
int aMethod(String s);	
}	
Which of the following are valid statements?	
A a = a -> a.length();	
$A x = y -> \{ return y; \};$	
A s = "2" -> Integer.parseInt(s);	
A b = (String s) -> 1;	✓
✓ 16. We can not create instance of	1/1
✓ 16. We can not create instance of○ Anonymous class	1/1
	1/1
Anonymous class	1/1
Anonymous classNested class	1/1

×	17.Which problem may arise if we use abstract class functions for polymorphism?	
0	All classes are converted as abstract class	*
0	Derived class must be of abstract type	
0	All the derived classes must implement the undefined functions	<>
•	Derived classes can't redefine the function	×
Corr	rect answer	À
•	All the derived classes must implement the undefined functions	×
✓	18. Which among the following is not true for polymorphism?	(3)
0	It is feature of OOP	***
0	Ease in readability of program	•
0	Helps in redefining the same functionality	
•	Increases overhead of function definition always	✓ ✓
/	19.Which of the following is true about the anonymous inner class	^ 1/
0	It has only methods	Ø
0	Objects cant be created	
0	It has a fixed class name	
	It has no class name	(3)
		×
		•
		_

~	20. Which of these can be used to fully abstract a class from its implementation?	
0	Objects	
0	Packages	
•	Interfaces	
0	Option 4	- :
0	None of the Mentioned	¥
×	21.An interface with no fields or methods is known as a	¾ ⊕ 1
0	Runnable Interface	
0	Marker Interface	<>
•	Abstract Interface	*
0	CharSequence Interface	A
Corre	ect answer	Ŏ
•	Marker Interface	
~	22. Which of the following options are true about the List interface and its implementation classes?	
	Dunlington and allaured	•
	Duplicates are allowed.	
	Insertion order will be preserved.	_
	All of these	⋄
ii .		Ĥ

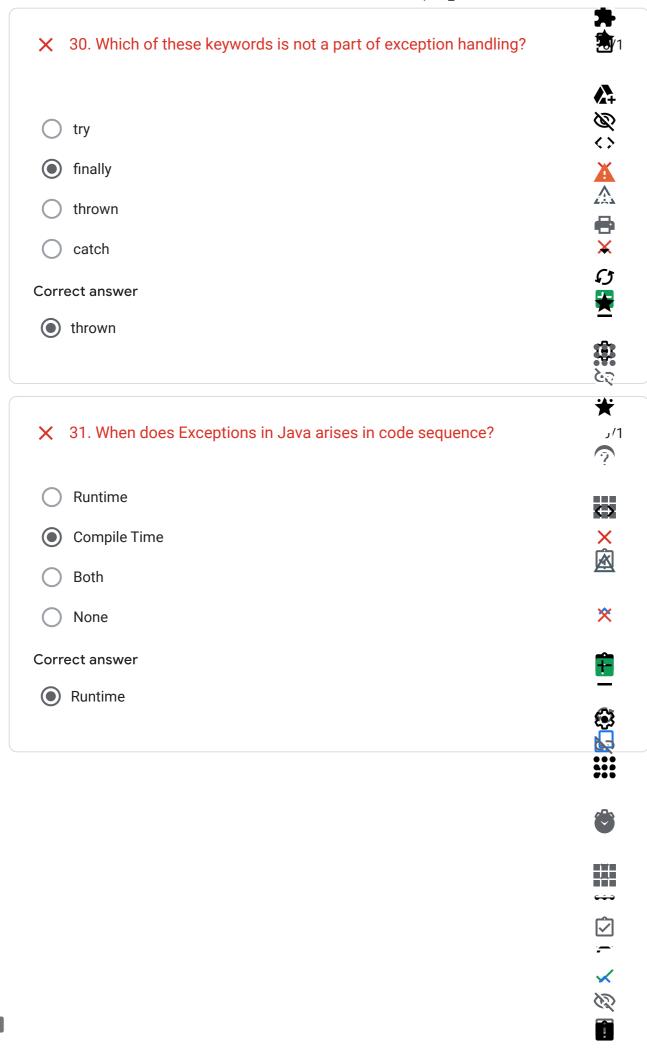
★ 23. Which of these return type of hasNext() method of an iterator?	
Integer	
Double	₹
Boolean	
Collections Object	☆ ☆ ☆
Correct answer	
Boolean	Š
	*
24. Which of these methods is used to obtain an iterator to the start of collection?	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
start()	
begin()	⇔
iteratorSet()	×
iterator()	
Correct answer	€ ×
iterator()	†
	\checkmark
	<u>~</u>

25. Which of these is a process of writing the state of an object to stream?	a byte 1/1
Serialization	(<u>)</u>
Externalization	→ : :
File Filtering	≡
All of the mentione	
	(i)
✓ 26. Which interface restricts duplicate elements?	1/1
Set	✓
List	
All of these	② △ ÷
27. Which of these process occurs automatically by the java runtin system?	
System:	(i) \(\sigma \)
Serialization	✓ ✓
Garbage Collection	
File Filtering	~
All of the above	()





✓ 28. Collection is a whereas Collections is?	
Interface, Interface	
Interface, Class	×.
Class, Interface	× ×
Class, Class	
	•••
× 29. The class at the top of exception class hierarchy is *	(<u>n</u>)1
This is your unique identifier. Please do not modify this.	
Arithmetic Exception	<> ×
	\triangle
Throwable	
Object	×
Exception	
Correct answer	
Throwable	₹ \$
	₩
	Ŷ
	Ş
	© ©
	·
	(\$) (\$)
	Ô



★ 32. Which of these keyword are used for generating an exception manually?	
O try	
catch	A
throw	
throws	× A
Correct answer	⊕
• throw	X
★ 33. What notifyAll() method do?	₹
Wakes up one threads that are waiting on this object's monitor	· <>
Wakes up all threads that are not waiting on this object's monitor	
Wakes up all threads that are waiting on this object's monitor	
None of the above	X
Correct answer	
Wakes up all threads that are waiting on this object's monitor	

	060 060 040
	₩ Ø ∴
	•**
	â

★ 34. Analyse the following code:		© 0/1
public class Test imp	lements Runnable{	
public static v	oid main(String[] args){	0
1	Test t = new Test();	₹ G
t	.start();	*
}		•••
public void rur	0() {}	.
}		×
The program does not compil Test class.	e because the start() method is not defined in the	
The program compiles, but it defined.	does not run because the start() method is not	<> × <u>∧</u>
The program compiles, but it implemented.	does not run because the run() method is not	×
The program compiles and ru	ns fine.	æ
Correct answer		_
The program does not compile class.	e because the start() method is not defined in the	
✓ 35. In java a thread can be o	reated by	1/1
Extending the thread class		(Ž)
Implementing Runnable interf	ace	
Both of the above		^
None of these		Û
		55

✓ 36. When a class extends the thread class, it should override of thread class to start that thread.	method 1
start()	0
run()	✓
init()	: ≡
O go()	≡
✓ 37. What does not prevent JVM from terminating?	<u> </u>
Process	
Daemon Thread	~
O User Thread	
JVM Thread	
	2
✓ 38. At a time, an object can be locked by how many threads?	1/1 2
Multiple threads	
Only one thread	\bigcirc
One by those threads which are created by the Main thread	
O Depends on the hashcode value of the object	~
	0
	•

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✓ 39. Which exception is thrown when an array element is accessed be the array size?	eyond 4/1
ArrayElementOutOfBounds	(\)
ArrayIndexOutOfBoundsException	<u> </u>
ArrayIndexOutOfBounds	•
ArrayElementOutOfBoundsException	₽
✓ 40. Checked exception caught at	△ i)₁
a) Compile Time	
Run Time	✓
O Both	
None	•
	A +
(DO NOT MODIFY THIS ANSWER-for official purposes only) FORM_TIMER_UNIQUE_IDENTIFIER	*
This is your unique identifier. Please do not modify this.	
Na	1
This form was created inside of Mumbai Educational Trust.	
Google Forms	~
	()
	•

