Mumbai Educational Trust Institute of Information Technology Core Java

1. How many objects and reference variables are created by the	following	lines of code?
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Employee emp1, emp2, emp3, emp4;

emp1 = new Employee();

emp3 = new Employee();

- a Two objects and three reference variables
- b Three objects and two reference variables
- c Four objects and two reference variables

d Two objects and two reference variables

- 2. What happens in a method if an unchecked exception is thrown in a try block and there is no matching catch block?
- A: The program ignores the exception
- B: The program halts immediately
- C: The method throws the exception to its caller

D: This is not legal, so the program will not compile

- 3. Which of the following statements about abstract classes in Java are true?
 - 1. An abstract class cannot be instantiated.
 - 2. Constructors cannot be abstract.
 - 3. A subclass of an abstract class must defined the abstract methods.
 - 4. Static methods may be declared abstract.

A: Line 1, line 2 and line 3 only

B: Line 1 only

C: Line 1 and line 2 only

D: Line 2 only

- 4. Which constructs an anonymous inner class instance?
- a Runnable r = new Runnable() { };
- b Runnable $r = new Runnable(public void run() { });$
- c Runnable r = new Runnable { public void run(){}};

d System.out.println(new Runnable() {public void run() { }});

- 5. Which statement is true about a static nested class?
- a You must have a reference to an instance of the enclosing class in order to instantiate it.

b It does not have access to nonstatic members of the enclosing class.

- c It's variables and methods must be static.
- d It must extend the enclosing class.
- 6. Which keyword can protect a class in a package from accessibility by the classes outside the package?

a. private

b. don't use any keyword at all (make it default)

c. protected d. final

7. The class java.lang .Exception is

a. protected **b. extends Throwable**

c. implements Throwable d. serializable

- 8. What happens in a method if an unchecked exception is thrown in a try block and there is no matching catch block?
- a The program ignores the exception

b The program halts immediately

- c The method throws the exception to its caller
- d This is not legal, so the program will not compile

9. When Exceptions in Java does arise in code sequence? a. Run Time b. Compilation Time c. Can Occur Any Time d. None of the mentioned 10. Which of these keywords is used to manually throw an exception? b. finally a. try c. throw d. catch 11. Which of the following is not a method of the Thread Class? a.public void run() b.public void start() c.public void exit() d.public final int getPriority() Answer c 12. Which of the methods should be implemented if any class implements the Runnable interface? a. start() b. run() c. wait() d. notify() and notifyAll() 13. What is synchronization in reference to a thread? a. It's a process of handling situations when two or more threads need access to a shared resource. b. Its a process by which many thread are able to access same shared resource simultaneously. c. Its a process by which a method is able to access many different threads simultaneously. d. Its a method that allow to many threads to access any information require. 14. Which of these method waits for the thread to terminate? a. sleep() b. isAlive() c. join() d. stop() 15. What is the size of float and double in java? b. 32 and 32 a.32 and 64 c. 64 and 64 d. 64 and 32 Answer a 16. When an array is passed to a method, what does the method receive? a. The reference of the array b. A copy of the array c. Length of the array d. Copy of first element 17. When is the object created with new keyword? a. At compile time b. At runtime c. Depends on the code d. None 18. Identify the corrected definition of a package. a. A package is a collection of editing tools b. A package is a collection of classes and interfaces c. A package is a collection of classes d. A package is a collection of interfaces Answer b 19. Identify the keyword among the following that makes a variable belong to a class, rather than being defined for each instance of the class. a final b static c volatile d abstract 20. In which of the following is toString() method defined? **a java.lang.Object** b java.lang.String c java.lang.util d None

String str1 = a. Replaces single oc c. Replaces single oc		• • •	s all occurrence of 'e' to	's'
22. Where does the sa. Heap	system stores parame b. Stack	eters and local varial c. Array	bles whenever a method is d. Tree	invoked?
23. Identify the mod a. public	ifier which cannot be b. static	used for constructor c.protected	d. private	
24. What is the impli a. No return type c. void	cit return type of con		in which it is defined	
25. When is the final a. Before garbage c. Before a variable g	collection	b. Before an object d. None	goes out of scope	
26. Identify the infin a. for(;;) c. for(int i=0;;i)	ite loop.	b. for(int i=0;i<1;i-d. All of above) 219A	
27. Where is System a. java.lang.packagc. java.io.package		b. java.util.package d. None	1/29	
a. "is a kind of" relb. "has a" relationshic. "want to be" relati	p onship ot describe any kind	ays.iri	een classes	
29. In object-oriente an example of: a. Encapsulation	d programming, new b. Interface	classes can be defined c. Composition	ned by extending existing cl	asses. This
a. The method sleepb. The method wait(c. Execution of the st) is called			
31.A protected mem a. subclass c. class in the curren	ber declared in a clas t package		a class in the current packa	ge.
32. Given threads t1 a. t1	and t2. In its run me b. t2	ethod t1 executes t2. c. main	.join(), thread will d. All of the above	
	ify methods are mem : java.lang.Thr		onitor All of the a	bove
34 Public members	of a non-nublic class	are not accessible of	utside its nackage	

21. What does the following string do to given string str1.

35. An interface canr a. TRUE	not inherit from multip b. FALSE	ole inter	faces.		
	rganization of related b. namespace				d. None of the above
37. All the fields of a a. transient	n interface are public b . final		-	default.	d. Both of the above
38. The keywor a. sync	rd is used for making b . synchronized			d-safe.	d. None of the above
39. A class must imp a. java.lang.Object.S c. java.io.Externali		b. java	stimizing seria .io.Enumerabl e of the above	е	of its objects.
40. Final key word ca	an he annlied to				•
a. Class	• •	c. metl	nod	d. All	of the above
41. The keywor	rd is used for making	a block	of code thread	d-safe.	
a. sync	b. synchronized				e of the above
42. A class must imp	lement interface	e for cu	stimizing seria	lization	of its objects.
· ·	Serializable		_	•	
c. java.io.Externali		-	e of the above		
43. Final key word ca	an be applied to				
a. Class	b. Field	c. met	hod	d. All	of the above
		9			
	inding on methods us		modifier t		
a. Final	b. virtual	c. stati	С	a. Non	e of the above
45 To check object i	dentity we can use				
a. =	b. instanceof	C. ===	– ₌	d. Non	e of the above
	21 motalices.	. .		u	c or the above
46. Finalize, Final, Fi	nally, out of this follow	wing is	used in except	ion han	dling
a. Finally	b. Final	c. Fina	lize	d. Non	e of the above
47. Checked Exception	on are checked at		_		
a. Compile time	b. Runtime	c. Both	1	d. Non	e of the above
48. Checked Exception	ons are inherited from	Except	ion		
a. Throwable	b. Runtime	c. Exce		d. Non	e of the above
49. If an object need	to release its resource	e autor	matically, then		
a. You have call finalize on object			b. You have to call close on object		
			d. All of the above		

a. TRUE

b. FALSE

50. Functional Interfaces which b. Interfaces which h. Interfaces which h. None of the above	h have only one impaye only one impaye only one impaye only one impaye impaye one impaye impaye one	plementedm	ethod	e abstract m	ethod
51. To create thread a. Object of class wh c. Annonymous whic	ich implements I	Runnable			
52. Which of the folloa. Public	owing is not an a b. Protected	iccess modif	ier in java? c. Default	d. N	one of the above
53. exception using to a. Checked Exception c. Both I and 2		called as	b. Unchecked d. None of th	•	
54. Is there any limit	c	. Yes, 6553	5 characters	is the max	imum length
c. Yes	d	. None of the	e above	0	
55. Can we reference a. Yes	·	b. Yes	but only in ca		
c. No	d	. None of the	e above		
56. Which package ba. util		ed in java ap . Lang	plication?	d. applet	
57. class B extends A method will get calle A ob= new B(); ob.dostuff(); a. dostuff() of B		11/07	9		A. which
58. String s1="hello' return true?	'; String s2="hel	llo"; which o	ne will		
a. s1 == s2	b. s1.equals(s	2) c. Botl	n I and 2	d. None of	the above
59. What should be of 1. The run() method 2. The start() method 3. The init() method 4. The creation of the method.	should be direct nod should be o should be direct	ly invoked o directly inv ol ly invoked o	n the Object. oked on the on the object.	Object.	e Thread class? read and invoke its run()
60. Can we override return a value of the a. No	•		method from a	a class Objec	t to take a parameter or
		from a sup	erclass only	if our subcl	ass's method has the

d. None of the above

- 61. Which of the following statement is false?
- 1. The super keyword works hand in hand with inheritance.
- 2. Inheritance gives a class implicit access to its super classes.
- 3. The super keyword is not essential to the workings of constructors.
- 4. The automatic default constructor has no parameter.

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62.
class DAC {
public static void main(String[] s) {
String s1 ="A", s2 = " B ", s3 = "C";
s2.trim();
s3.concat("D");
System.out.print(s1+s2+s3);
}
}
What is the Result Of the Program?
a. Prints: ABC
                            b. Prints: A B C
                                                         c. Prints: ABCD
                                                                               d. Prints: ABDC
63.Inner Class cannot Declare __
                                    variables
a. Static
                                                                               d. Transient
                            b. Protected
                                                         c. Final
64. A: Entries are Organized as key/value pairs
B: Duplicate entries replace old entries
Which interface of java.util package offer the specialized behaviour?
                            b. Map
a. List
                                                         c. Set
                                                                               d. None of The Above
65. Which type of variables cannot be serialized?
a.Transient
                                                         c.Private
                                                                               d.None of the Above
                            b.Final
66.Class CDAC {
public static void main(String[] args){
StringBuffer sb1=new StringBuffer("ABC");
StringBuffer sb2=new StringBuffer("ABC");
System.out.print("Prints:"+(sb1==sb2)+","+sb1.equals(sb2));
}
}
What is the result of attempting to compile and run the program?
                            b.Prints: false, false
                                                         c.Prints: true, false d.Prints: true, true
a.Prints: false, true
67. Which method must be defined by a class implementing the java. lang. Runnable interface?
a. void run()
                            b. public void run()
                                                         c. public void start() d. void run(int priority)
68. Which modifer is uesd to stop overridding a method?
a. final
                            b. Static
                                                                              d. None of the above
                                                         c. Abstract
```