**1**)Which method returns the interrupted flag after that it sets the flag to false if it is true?

a. isInterrupted()

b. static interrupted()

c. non static interrupted()

d. Both A & C

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| **2**)   From the following statements which is a disadvantage of an java array? |

a. An array can hold primitive types data

b. An array has its size that is known as array length

c. An array knows only its type that it contains. Array type is checked at the compile-time

d. An array holds only one type of data

**3**)   The following Syntax is used for?  
  
class Subclass-name extends Superclass-name  
{  
//methods and fields  
}

a. Polymorphism

b. Encapsulation

c. Inheritance

d. None of the above

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| **4**)   Which constructor creates an empty string buffer with the specified capacity as length.  a. StringBuffer()  b. StringBuffer(String str)  c. StringBuffer(int capacity)  d. None of the above |

**5**)   Which mechanism is used when a thread is paused running in its critical section and another thread is allowed to enter (or lock) in the same critical section to be executed?

a. Inter-thread communication

b. Initial-thread communication

c. Mutual Exclusive

d. None of the above

**6**)   Which class is used to uncompress the file in the deflate compression format, It provides facility to the other uncompression filters?

a. DeflaterOutputStream class

b. InflaterInputStream class

c. Both A & B

d. None of the above

**7**)   Switch is more efficient than nested if or if - else in java.

a. True

b. False

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| **8**)   Mutual exclusive and inter-thread communication are which type of Synchorization? |

a. Thread Synchronization

b. Process Synchronization

c. Object Synchronization

d. None of the above

**9**)   Which is irrecoverable?

a. Error

b. Checked Exception

c. Unchecked Exception

d. Both B & C

**10**)   By overriding the toString() method of the Object class, we can return values of the object, so we don't need to write much code.

a. True

b. False

**11**)   The following program is an example for?  
  
class Student{  
int id;  
String name;  
  
void display(){System.out.println(id+" "+name);}  
  
public static void main(String args[]){  
Student s1=new Student();  
Student s2=new Student();  
s1.display();  
s2.display();  
}  
}

a. Parameterized constructor

b. Default Constructor

c. Overloading Constructor

d. None of the above

**12**)   If you are inserting any value in the wrong index as shown below,  
  
1. int a[]=new int[5];  
2. a[10]=50;  
  
it would result in \_\_\_\_\_\_.

a. NullPointerException

b. ArrayIndexOutOfBoundsException

c. ArithmeticException

d. NumberFormatException

**13**)   Which provides accessibility to classes and interface?

a. import

b. Static import

c. All the above

d. None of the above

**14**)   Which variables are created when an object is created with the use of the keyword 'new' and destroyed when the object is destroyed?

a. Local variables

b. Instance variables

c. Class Variables

d. Static variables

**15**)   The Object class is not a parent class of all the classes in java by default.

a. True

b. False

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| --- |
| **16**)   The Object class is not a parent class of all the classes in java by default.  a. True  b. False |
| **17**)   Which access specifiers can be used for a class so that it’s members can be accessed by a different class in the different package?  a. Private  b. Public  c. Protected  d. None of the above |

**18**)   Which method returns a reference to the currently executing thread object?

a. currentThread()

b. runningThread()

c. runnableThread()

d. None of the above

**19**)   Which are subclasses of FilterInputStream and FilterOutputStream?

a. PipedInputStream

b. PipedOutputStream

c. DataInputStream

d. DataOutputStream

e. Both C & D

**20**)    Java Virtual Machine is platform independent.

a. True

b. False

**21**)   How many ways are there to access package from another package?

a. 3

b. 2

c. 1

d. 5

**22**)   Which method of DataInputStream class reads a line from the file and returns it as a string?

a. WriteInt()

b. readLine()

c. readInt()

d. writeDouble()

**23**)   Which class is used when a program does not want to handle an exception?

a. Throws

b. Try

c. Catch

d. Final

**24**)   Can we start a thread twice?

a. Yes

b. No

**25**)   Which provides a new way for your programs to interface with code libraries written in other languages?

a. JNI

b. JDBC

c. RMI

d. GUI

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| **26**)   Which method in thread class causes the currently executing thread object to temporarily pause and allow other threads to execute?  a. public boolean isAlive()  b. public int getId()  c. public void yield()  d. public boolean isDaemon() |

**27) Which statement is true regarding an object?**

(a) An object is what classes instantiated are from  
(b) An object is an instance of a class  
(c) An object is a variable  
(d) An object is a reference to an attribute  
(e) An object is not an instance of a class.

**28) In**[object-oriented](https://en.wikipedia.org/wiki/Object-oriented_programming)**programming, composition relates to**

(a) The use of consistent coding conventions  
(b) The organization of components interacting to achieve a coherent, common behavior  
(c) The use of inheritance to achieve polymorphic behavior  
(d) The organization of components interacting not to achieve a coherent common behavior  
(e) The use of data hiding to achieve polymorphic behavior.  
**29) Which of the following does not belong: If a class inherits from some other class, it should**

(a) Make use of the parent class’s capabilities  
(b) Over-ride or add the minimum to accomplish the derived class’ purpose  
(c) Over-ride all the methods of its parent class  
(d) Make sure the result “IS-A-KIND-OF” its base class  
(e) Make sure the result “contains” its base class.

**30) What is the error in the following class definitions?**

Abstract class xy  
{  
abstract sum (int x, int y) { }  
}

(a) Class header is not defined properly.  
(b) Constructor is not defined.  
(c) Method is not defined properly  
(d) Method is defined properly  
(e) No error.