

## Technical Papers Java Questions: Multi Threading

**Examrace Placement Series** prepares you for the toughest placement exams to top companies.

1. What are the two types of multitasking? Ans: Process-based and Thread-based
2. What are the two ways to create the thread? Ans: By implementing Runnable and by extending Thread
3. What is the signature of the constructor of a thread class? Ans: Thread (Runnable threadob, String threadName)
4. What are all the methods available in the Runnable Interface? Ans: Run ()
5. What is the data type for the method isAlive () and this method is available in which class? Ans: Boolean, Thread
6. What are all the methods available in the Thread class? Ans: IsAlive () join () resume () suspend () stop () start () sleep () destroy ()
7. What are all the methods used for Inter Thread communication and what is the class in which these methods are defined? Ans: Wait (), notify () & notifyall () Object class
8. What is the mechanisam defind by java for the Resources to be used by only one Thread at a time? Ans: Synchronisation
9. What is the procedure to own the monitor by many threads? Ans: Not possible
10. What is the unit for 1000 in the below statement? ob. Sleep (1000) Ans: Long milliseconds
11. What is the data type for the parameter of the sleep () method? Ans: Long
12. What are all the values for the following level? max-priority min-priority normal-priority Ans: 10, 1, 5
13. What is the method available for setting the priority? Ans: SetPriority ()
14. What is the default thread at the time of starting the program? Ans: Main thread
15. The word synchronized can be used with only a method. True/False Ans: False
16. Which priority Thread can prompt the lower primary Thread? Ans: Higher Priority
17. How many threads at a time can access a monitor? Ans: One
18. What are all the four states associated in the thread? Ans: 1. New 2. Runnable 3. Blocked 4. Dead

Visit examrace.com for free study material, doorsteptutor.com for questions with detailed explanations, and "Examrace" YouTube channel for free videos lectures

19. The suspend () method is used to terminate a thread? True/False Ans: False
20. The run () method should necessary exists in classes created as subclass of thread? True/False Ans: True
21. When two threads are waiting on each other and can't proceed the programe is said to be in a deadlock? True/False Ans: True
22. Which method waits for the thread to die? Ans: Join () method
23. Which of the following is true?
- a. wait (), notify (), notifyall () are defined as final & can be called only from with in a synchronized method
  - b. Among wait (), notify (), notifyall () the wait () method only throws IOException
  - c. wait (), notify (), notifyall () & sleep () are methods of object class

Which is true?

- a. 1
- b. 2 and 3
- c. 1 & 2
- d. 1, 2 & 3

Ans: D

24. Garbage collector thread belongs to which priority? Ans: Low-priority
25. What is meant by timeslicing or time sharing? Ans: Timeslicing is the method of allocating CPU time to individual threads in a priority schedule.
26. What is meant by daemon thread? In java runtime, what is it's role?

Ans: Daemon thread is a low priority thread which runs intermittently in the background doing the garbage collection operation for the java runtime system.