

OOPS UNIT-5 TEST-1

Total questions: 20

Worksheet time: 20mins

Instructor name: Mr. PRASHANT ATMAKURI

Name

Class

Date

1. How many ways a thread can be created in Java multithreading?
 - a) 2
 - b) 5
 - c) 1
 - d) 10

2. Which method is used to make main thread to wait for all child threads
 - a) Join ()
 - b) Stop ()
 - c) Sleep ()
 - d) Wait ()

3. Which will contain the body of the thread in Java?
 - a) Run()
 - b) Main()
 - c) Start()
 - d) Execute()

4. The life cycle of a thread in java is controlled by
 - a) JRE
 - b) JVM
 - c) None
 - d) JDK

5. Which method is used to get current running thread object?
 - a) None
 - b) currentThread()
 - c) runnableThread()
 - d) runningThread()

6. Synchronized static methods acquire lock on
 - a) Class
 - b) Interface
 - c) Object
 - d) None

7. Thread priority in Java is?

- a) Double
- b) Long
- c) Float
- d) Integer

8. In JAVA multi threading, a thread can be created by_____

- a) Extending class
- b) Implementing Runnable Interface
- c) none
- d) both

9. Which statements is/are correct

- a) On calling Thread start () method a new thread is created
- b) both a & b
- c) Thread start() method call run() method internally
- d) Thread run() method can also be called directly to create thread

10. Q) What is maximum thread priority in Java

- a) 12
- b) 10
- c) 8
- d) 5

11. Q) Number of threads in below java program is
public class ThreadExtended extends Thread {

```
public void run() {  
    System.out.println("\nThread is running now\n");  
}
```

```
public static void main(String[] args) {
```

```
    ThreadExtended threadE = new ThreadExtended();
```

```
    threadE.start();
```

```
}
```

```
}
```

- a) 0
- b) 3
- c) 1
- d) 2

12. Q) Execution of a java thread begins on which method call?
- a) Start ()
 - b) Execute ()
 - c) Run ()
 - d) Launch ()
13. Q) Which method is used to check if a thread is running?
- a) isAlive()
 - b) run ()
 - c) keepAlive()
 - d) alive ()
14. Q) Min and Max priority of a thread in Java multithreading are
- a) 0,10
 - b) 1, 10
 - c) 0,255
 - d) 1,256
15. What is sometimes also called a lightweight process?
- a) Process
 - b) JVM
 - c) Thread
16. Which of these is not a Thread state?
- a) New
 - b) sleep
 - c) terminated
 - d) Runnable
17. _____distributing task across multiple computing cores
- a) data parallelism
 - b) identifying task
 - c) task parallelism
 - d) implicit threading
18. Execution of a java thread begins on which method call?
- a) Start ()
 - b) Run ()
 - c) Execute ()
 - d) Launch ()

19. Choose **THREE(3)** benefits of multithreaded processing

a) privacy

b) responsiveness

c) scalability

d) resource sharing

20. Thread is _____process that can run independently

a) compression

b) compaction

c) heavyweight

d) lightweight

Answer Keys

- | | | |
|--|------------------------------|------------------|
| 1. a) 2 | 2. a) Join () | 3. a) Run() |
| 4. b) JVM | 5. b) currentThread() | 6. c) Object |
| 7. d) Integer | 8. d) both | 9. b) both a & b |
| 10. b) 10 | 11. d) 2 | 12. a) Start () |
| 13. a) isAlive() | 14. b) 1, 10 | 15. c) Thread |
| 16. b) sleep | 17. c) task parallelism | 18. a) Start () |
| 19. d) resource , responsive
sharing b) | 20. c) slight priority
c) | |

