1) Multithreading is also called as \_\_\_\_\_\_\_\_\_\_\_\_

**a) Concurrency**

b) Simultaneity

c) Crosscurrent

d) Recurrent

2) Multiprocessing allows single processor to run several concurrent threads.

**a) True**

b) False

3) A single sequential flow of control within a program is \_\_\_\_\_\_\_\_

a) Process

b) Task

**c) Thread**

d) Structure

4) Both client and server release \_\_\_\_\_\_\_\_\_ connection after a page has been transferred.

a) IP

**b) TCP**

c) Hyperlink

d) Network

5) Java extension used in threads?

**a) java.lang.Thread**

b) java.language.Thread

c) java.lang.Threads

d) java.Thread

6) A method that must be overridden while extending threads.

**a) run()**

b) start()

c) stop()

d) paint()

7) An interface that is implemented while using threads.

a) java.lang.Run

**b) java.lang.Runnable**

c) java.lang.Thread

d) java.lang.Threads

8) A thread becomes non runnable when?

a) Its stop method is invoked

**b) Its sleep method is invoked**

c) Its finish method is invoked

d) Its init method is invoked

9) A method used to temporarily release time for other threads.

**a) yield()**

b) set()

c) release()

d) start()

10) A method used to force one thread to wait for another thread to finish.

**a) join()**

b) connect()

c) combine()

d) concat()

11) What is multithreaded programming?

a) It’s a process in which two different processes run simultaneously

**b) It’s a process in which two or more parts of same process run simultaneously**

c) It’s a process in which many different process are able to access same information

d) It’s a process in which a single process can access information from many sources

12) Which of these are types of multitasking?

a) Process based

b) Thread based

**c) Process and Thread based**

d) None of the mentioned

13) Thread priority in Java is?

**a) Integer**

b) Float

c) double

d) long

14) What will happen if two thread of the same priority are called to be processed simultaneously?

a) Anyone will be executed first lexographically

b) Both of them will be executed simultaneously

c) None of them will be executed

**d) It is dependent on the operating system**

15) Which of these statements is incorrect?

a) By multithreading CPU idle time is minimized, and we can take maximum use of it

b) By multitasking CPU idle time is minimized, and we can take maximum use of it

c) Two thread in Java can have the same priority

**d) A thread can exist only in two states, running and blocked**

16) What will be the output of the following Java code?

class multithreaded\_programing

{

public static void main(String args[])

{

Thread t = Thread.currentThread();

System.out.println(t);

}

}

a) Thread[5,main]

b) Thread[main,5]

c) Thread[main,0]

**d) Thread[main,5,main]**

17) What is the priority of the thread in the following Java Program?

class multithreaded\_programing

{

public static void main(String args[])

{

Thread t = Thread.currentThread();

System.out.println(t);

}

}

a) 4

**b) 5**

c) 0

d) 1

18) What is the name of the thread in the following Java Program?

class multithreaded\_programing

{

public static void main(String args[])

{

Thread t = Thread.currentThread();

System.out.println(t);

}

}

**a) main**

b) Thread

c) System

d) None of the mentioned

19) Which of these keywords are used to implement synchronization?

a) synchronize

b) syn

c) synch

**d) synchronized**

20) Which keyword is used for using the synchronization features defined by the Monitor class?

**a) lock**

b) synchronized

c) monitor

d) locked

21) 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) It’s a process by which many threads are able to access the same shared resource simultaneously

c) It’s a process by which a method is able to access many different threads simultaneously

d) It’s a method that allows too many threads to access any information they require

22) Which method is called when a thread is blocked from running temporarily?

a) Pulse()

b) PulseAll()

**c) Wait()**

d) Both Pulse() & Wait()

23) What kind of exception is being thrown if Wait(), Pulse() or PulseAll() is called from code that is not within synchronized code?

a) System I/O Exception

b) DivideByZero Exception

**c) SynchronizationLockException**

d) All of the mentioned

24) What is mutex?

**a) a mutually exclusive synchronization object**

b) can be acquired by more than one thread at a time

c) helps in sharing of resource which can be used by one thread

d) all of the mentioned

25) What is Semaphore?

a) Grant more than one thread access to a shared resource at the same time

b) Useful when a collection of resources is being synchronized

c) Make use of a counter to control access to a shared resource

**d) All of the mentioned**

26) Which method is used to abort thread prior to it’s normal execution?

a) sleep()

b) terminate()

c) suspend()

**d) Abort()**

27) Which of these statements is incorrect?

a) By multithreading CPU idle time is minimized, and we can take maximum use of it

b) By multitasking CPU idle time is minimized, and we can take maximum use of it

c) Two thread in Csharp can have same priority

**d) A thread can exist only in two states, running and blocked**

28) What is multithreaded programming?

a) It’s a process in which two different processes run simultaneously

**b) It’s a process in which two or more parts of same process run simultaneously**

c) It’s a process in which many different process are able to access same information

d) It’s a process in which a single process can access information from many sources

29) What is the result of the following program?

public static synchronized void main(String[] args) throws

InterruptedException {

Thread f = new Thread();

f.start();

System.out.print("A");

f.wait(1000);

System.out.print("B");

}

a) It prints A and B with a 1000 seconds delay between them

b) It only prints A and exits

c) It only prints B and exits

**d) A will be printed, and then an exception is thrown.**

30) Which of the given methods are of Object class?

a) notify(), wait( long msecs ), and synchronized()

b) wait( long msecs ), interrupt(), and notifyAll()

**c) notify(), notifyAll(), and wait()**

d) sleep( long msecs ), wait(), and notify()

31) What is the default relation b/w Thread & Runnable?

a) Thread extends Runnable

**b) Thread implements Runnable**

c) They are not related

d) None of these

32) What is the default priority of the main thread?

a) 1

**b) 5**

c) 10

d) Random value within 1 to 10