Started on	Wednesday, 29 July 2020, 7:10 AM
State	Finished
Completed on	Wednesday, 29 July 2020, 8:12 AM
Time taken	1 hour 2 mins
Marks	37.00/49.00
Grade	**7.55** out of 10.00 (**76**%)

Question **1**

Complete

Mark 1.00 out of 1.00

If I want to run the main thread last, I can do it calling ____ method

Select one:

- a. stop()
- b. sleep()
- c. wait()
- d. join()

By calling sleep() within main(), with long enough delay to ensure that all child threads terminate prior to the main thread.

The correct answer is: sleep()

Question **2**

Complete

Mark 1.00 out of 1.00

What can be the maximum priority for a thread?

Select one:

- a. 10
- b. 256
- c. 1
- d. 100

The correct answer is: 10

Question **3**

Complete

Mark 1.00 out of 1.00

What is synchronization in multithreading?

Select one:

- a. It's a method that allow too many threads to access any information require
- b. It's a process for a method to access many different threads at the same time
- c. a process to handle situations when two or more threads need access to a shared resource
- d. a process to access same shared resource simultaneously

When two or more threads need to access the same shared resource, they need some way to ensure that the resource will be used by only one thread at a time, the process by which this is achieved is called synchronization

The correct answer is: a process to handle situations when two or more threads need access to a shared resource

Question **4**

Complete

Mark 1.00 out of 1.00

Which of these statements regarding different states of a thread are true?
(A) A thread in the waiting state is alive but not running.
(B) A thread is considered terminated when its run() method starts.
(C) A thread is in a blocked state when it is waiting for the lock of another object.
(D) The thread comes out of the runnable state when the start() method is invoked on it.
(E) A new thread is an empty thread object with no system resources allocated.

Select one:

- a. B, C, D
- b. A, B, D
- c. A, C, E
- d. C, D, E

The correct answer is: A, C, E

Question **5**

Complete

Mark 1.00 out of 1.00

In a program how do you know when you use wait() or sleep() in Threads ?

Select one:

- a. it will work forever and not stop
- b. sleep() Wait in that time and do not call any more commands and it will continue to execute, wait() It will not run except with the notification of the operating system
- c. it will stop when there is notice from the operating system
- d. it will continue to run when has message from operating system

The correct answer is: sleep() Wait in that time and do not call any more commands and it will continue to execute, wait() It will not run except with the notification of the operating system

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Lô E2a-7, Đường D1 Khu Công nghệ cao, P.Long Thạnh Mỹ, Q.9, TP.Hồ Chí Minh

Phone: 02873005585

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