Course No:SWEN4420 Course Title: Concurrent and real-time programming

Date: 19/04/2018

No. of Questions: 3

Time: 1 hr

Using Calculator (No)

University of Palestine

lidterm Exam

Midterm Exam First term 2017/2018 Total Grade: 15 Instructor: Dr. AbdelhameedZughbor
Student No.: _____
Student Name: ____
College Name: Eng.College

Dep. / Specialist: Software Engineering

First Question	4 points

Explain <u>readers writer's</u> problem in concurrent programmes and the solution by using standard monitors in addition to write single class which cover this approach Note / your solution should be tolerant to the InterruptedException

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Second Question		7 points
1. What is the possible	e states for a thread.	
2. Explain each of these method's work		
1. interrupt() /		
2. isInterrupted() /		
<pre>3. interrupted()/</pre>		
3. Why JAVA's sched	uling and priority mod	lels are weak :
1.		
2.		
3.		
4. By drawing demons to operating system		green threads, process and relation

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Third Question 4 points

This program has two tasks (Ordinary Task) and (Runnable Task).

- Write Ordinary task class which will use progress bar to provide process status and modify it to be Runnable task works concurrently as you see below.
- Write invocation code for both of task in main method

Note/don't waste time on GUI initiationcode

