Second Semester, 2018-2019   Instructor: Dr. Adnan H. Yahya,

Quiz1   Time 10 minutes

Question 1: Fill in each of the 4 empty slots by a number for the transition event:

From → To↓	**From**Waiting	**From**Ready	**From**Running	1	Needs I/O	5	No event happens
ToWaiting	X	X	**1**	2	Finished I/O	6	Ends work
ToReady	X	X	**3**	3	Expired CPU Slice	7	Starts work
ToRunning	**8**	**4**	X	4	Selected by CPU scheduler	8	Never Happens

Question2: Which is NOT and Operating System:

□**1** Symbian   □**2** Unix   □**3** Android   □**4** Windows   □**5** Firefox

Question3: Context switch time is useful to the user process. □True   □**False**

Question4: The degree of multiprogramming is defined by the largest number of processes that can be on the ready queue. □**True**   □False

Question5: Heavily serial programs can benefit the most from adding cores to a computer system.

                □True   □**False**

Question6: A program can generate (fork) several processes and a process can generate several threads. □**True**   □False

Question7: Threading (running multiple threads) requires multiple cores.

                □True   □**False**