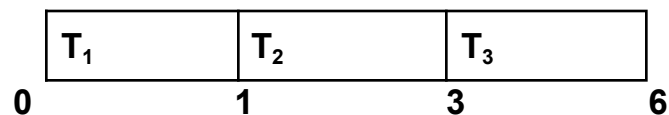


Answer to QUESTION #5:

Order 1=> T_1, T_2, T_3

	Arrival Time (AT) All 0's	Burst Time (BT) 1, 2, 3 for T_1, T_2, T_3	Schedule Time (ST)	Completion Time (CT) BT + ST	Turn Around Time (TAT) CT - AT	Waiting Time (WT) (TAT - BT)
T_1	0	1	0	1	1	0
T_2	0	2	1	3	3	1
T_3	0	3	3	6	6	3

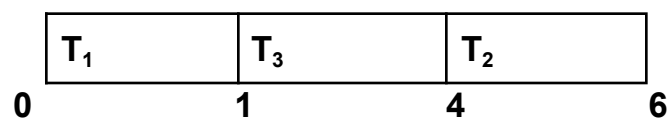
Average TAT = $\frac{1}{3} (1+3+6) = 3.33$



Order 2=> T_1, T_3, T_2

	Arrival Time (AT) All 0's	Burst Time (BT) 1, 2, 3 for T_1, T_2, T_3	Schedule Time (ST)	Completion Time (CT) BT + ST	Turn Around Time (TAT) CT - AT	Waiting Time (WT) (TAT - BT)
T_1	0	1	0	1	1	0
T_3	0	3	1	4	4	1
T_2	0	2	4	6	6	4

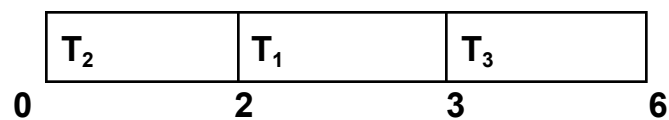
Average TAT = $\frac{1}{3} (1+4+6) = 3.6$



Order 3=> T_2, T_1, T_3

	Arrival Time (AT) All 0's	Burst Time (BT) 1, 2, 3 for T_1, T_2, T_3	Schedule Time (ST)	Completion Time (CT) $BT + ST$	Turn Around Time (TAT) $CT - AT$	Waiting Time (WT) $(TAT - BT)$
T_2	0	2	0	2	2	0
T_1	0	1	2	3	3	2
T_3	0	3	3	6	6	3

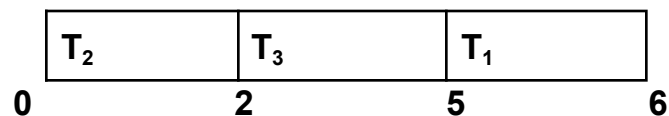
Average TAT = $\frac{1}{3} (2+3+6) = 3.66$



Order 4= $\Rightarrow T_2, T_3, T_1$

	Arrival Time (AT) All 0's	Burst Time (BT) 1, 2, 3 for T_1, T_2, T_3	Schedule Time (ST)	Completion Time (CT) $BT + ST$	Turn Around Time (TAT) $CT - AT$	Waiting Time (WT) $(TAT - BT)$
T_2	0	2	0	2	2	0
T_3	0	3	2	5	5	2
T_1	0	1	5	6	6	5

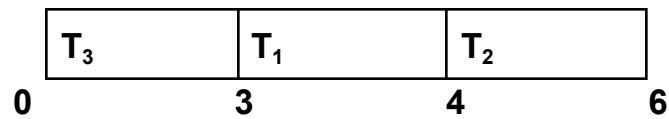
Average TAT = $\frac{1}{3} (2+5+6) = 4.33$



Order 5= $\Rightarrow T_3, T_1, T_2$

	Arrival Time (AT) All 0's	Burst Time (BT) 1, 2, 3 for T_1, T_2, T_3	Schedule Time (ST)	Completion Time (CT) $BT + ST$	Turn Around Time (TAT) $CT - AT$	Waiting Time (WT) $(TAT - BT)$
T_3	0	3	0	3	3	0
T_1	0	1	3	4	4	2
T_2	0	2	4	6	6	5

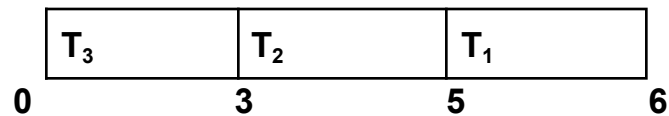
Average TAT = $\frac{1}{3} (3+4+6) = 4.3$



Order 6=> T_3, T_2, T_1

	Arrival Time (AT) All 0's	Burst Time (BT) 1, 2, 3 for T_1, T_2, T_3	Schedule Time (ST)	Completion Time (CT) $BT + ST$	Turn Around Time (TAT) $CT - AT$	Waiting Time (WT) $(TAT - BT)$
T_3	0	3	0	3	3	0
T_2	0	2	3	5	5	3
T_1	0	1	5	6	6	5

Average TAT = $\frac{1}{3} (3+5+6) = 4.6$



★ Order 1(T_1, T_2, T_3) has smallest average turn-around time and it follows Shortest Job First (SJF)