Assignment 2 (PART E)

Q.1)

Process	A.T	B.T	C.T	T.A.T	WT
P1	0	5	5	5	0
P2	1	3	8	7	4
P3	2	6	16	14	8

Soln FCFS :

	P1	P2	P3

0   5   8   16
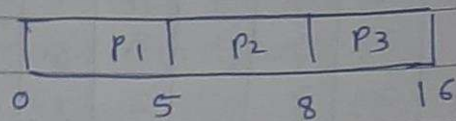
$$Ag. W.T = \frac{8 + 4 + 0}{3} = 4$$

Q.2)

Process	A.T	B.T	C.T	T.A.T	W.T
P1	0	3	3	3	0
P2	1	5	13	12	7
P3	2	1	4	2	1
P4	3	4	8	5	1

Soln SJF :

0   3   4   8   13

P1	P3	P4	P2
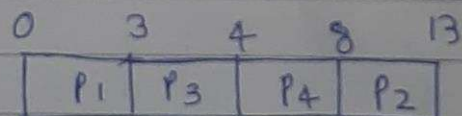
$$Avg. T.A.T = \frac{3 + 12 + 2 + 5}{4} = 5.5$$

Q.3)

Process	A.T	B.T	C.T	T.A.T	W.T
P1	0	0	10	10	6
P2	1	1	14	13	8
P3	2	0	6	4	2
P4	3	0	10	10	7

Soln RR :

0   2   4   6   8   10 12 13 14

| P1 | P2 | P3 | P4 | P1 | P2 | P4 | P2 |

Avg T.A.T = $\dfrac{10 + 13 + 4 + 10}{4}$ = 9.25

Q.4)

Process	Priority	A.T	B.T	C.T	T.A.T	W.T
P1	3	0	6	6	6	0
P2	1	1	4	10	9	5
P3	4	2	7	16	14	7
P4	2	3	2	12	9	7

Soln priority scheduling:

0   6   10 12 16

| P1 | P2 | P4 | P3 |

Avg W.T = $\dfrac{0 + 5 + 7 + 7}{4}$ = 4.75