

Assignment

Submitted By:

SAAD Farid

Submitted To:

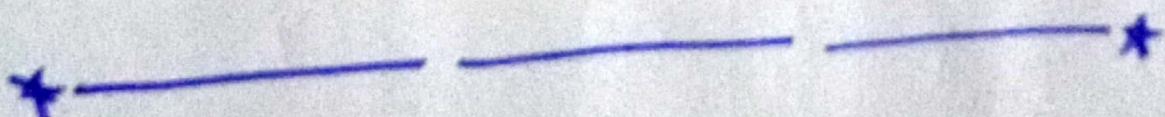
Sir Abu Bakar

Roll. No.:

BSIT-M1-13

Topic :

Scheduling



Question No. 1: FCFS

First Come First Serve

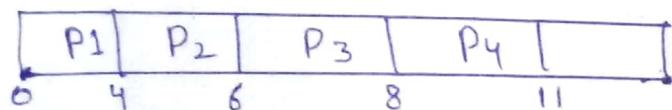
Process	Arrival-T	Burst-T	Waiting-T	Turn-around-T	Completion-T
P1	0	4			
P2	1	2			
P3	2	2			
P4	4	3			

Solution:-

Process	A-T	B-T	W-T	T-A-T	C-T
P1	0	4	0	4	4
P2	1	2	4	5	6
P3	2	2	6	6	8
P4	4	3	8	7	11

$$\therefore C-T = A-T$$

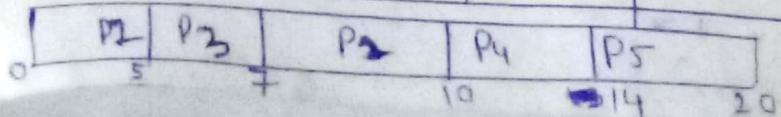
$$\therefore C-T - B-T - A-T = W-T$$



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Question No. 2:

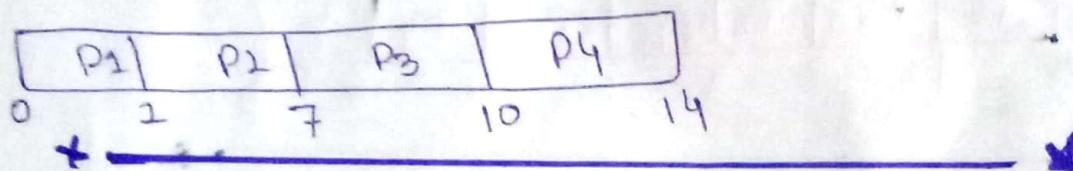
Process	A-T	B-T	W-T	T-A-T	C-T
P1	1	3	1	4	5
P2	0	5	2	7	7
P3	1	2	7	9	10
P4	2	4	8	12	14
P5	3	6	11	17	20



Question No. 3 :

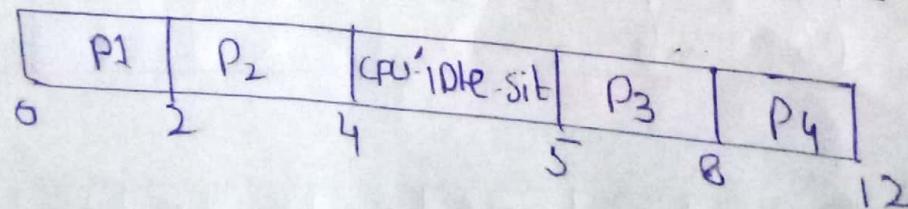
Ans:-

Process	A-T	B-T	W-T	T-A-T	C-T
P1	0	2	0	2	2
P2	1	5	1	6	7
P3	2	3	5	8	10
P4	3	4	7	11	14



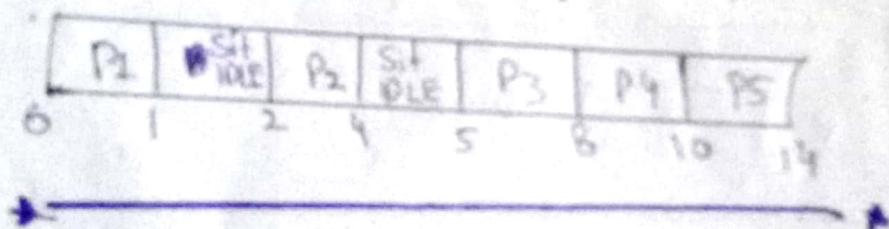
Question No. 4.

ID	A-T	B-T	W-T	FAT	C-T
P1	0	2	0	2	2
P2	1	2	1	3	4
P3	5	3	0	3	8
P4	6	4	2	6	12



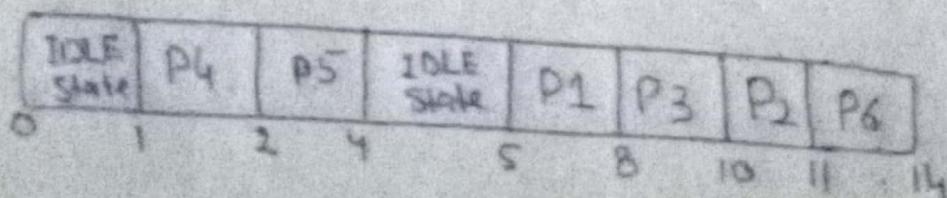
Question No. 5

ID	A-T	B-T	W-T	T-A-T	C-T
P1	0	1	0	1	1
P2	2	2	0	2	4
P3	5	3	0	3	8
P4	6	2	2	4	10
P5	7	4	3	7	14



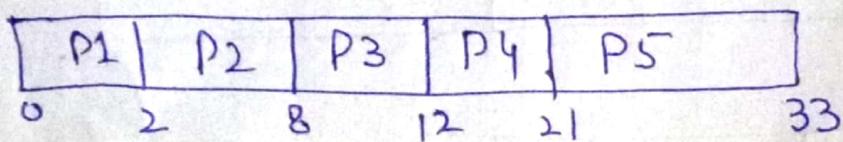
Question No. 6:

ID	A-T	B-T	W-T	T-A-T	C-T
P1	5	3	0	3	8
P2	7	1	3	4	11
P3	6	2	2	4	10
P4	1	1	0	1	2
P5	1	2	1	3	4
P6	8	3	3	6	14



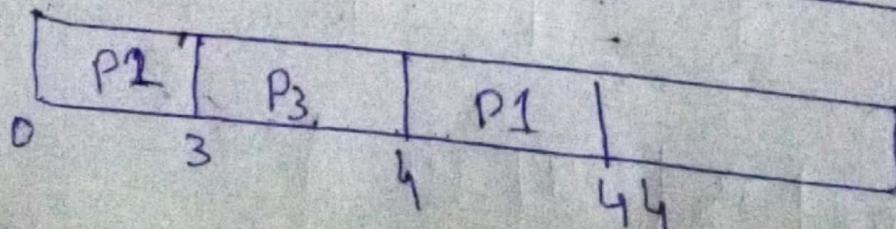
Question No. 7 :

ID	A-T	B-T	W-T	T-AT	C-T
P1	0	2	0	2	2
P2	1	6	1	7	8
P3	2	4	6	10	12
P4	3	9	9	18	21
P5	6	12	15	27	33



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Question No. 8:

ID	A-T	B-T	W-T	T-AT	C-T
P1	1	40	03	43	44
P2	0	3	0	3	3
P3	0	1	3	4	4



Question No. 9.

ID	A-T	B-T	W-T	T-A-T	C-T
P1	0	6	0	6	6
P2	1	8	5	13	14
P3	2	10	12	22	24
P4	3	12	21	33	36

P1	P2	P3	P4
6	6	14	24

36

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Question No. 10

ID	A-T	Burst-T	W-T	A-T-A	C-T
P1	8	18	7	25	33
P2	2	4	0	4	6
P3	3	7	10	10	13
P4	4	2	9	11	15

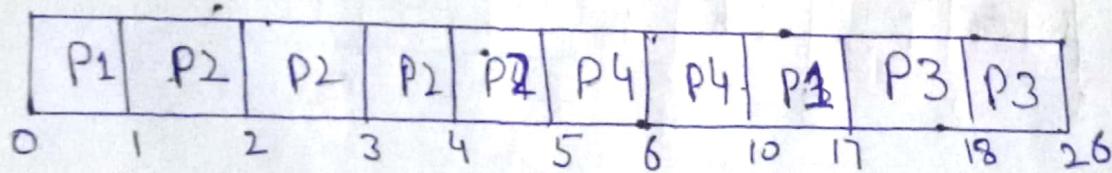
IDLE state	P2	P3	P4	P1
0	2	6	13	15

33

SRJF (Shortest remaining job First)

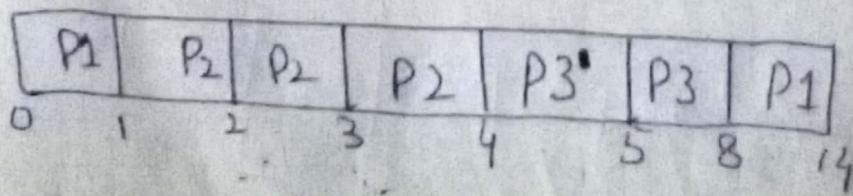
Question No.1

ID	A-T	B-T	W-T	FA	C-T
P1	0	8	9	17	17
P2	1	4	0	4	5
P3	2	9	15	24	26
P4	3	5	2	7	10



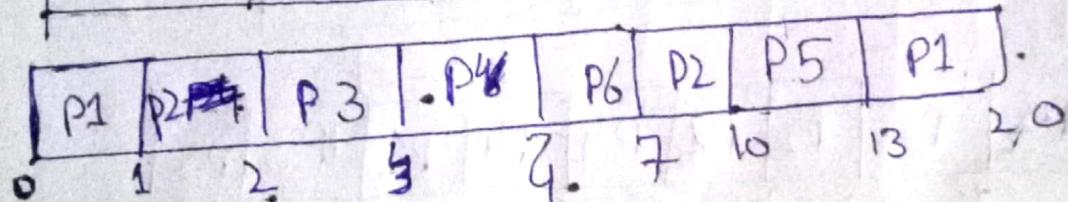
Question No.2

ID	A-T	B-T	W-T	T-AT	C-T
P1	0	7		14	14
P2	1	3		3	4
P3	3	4		5	8



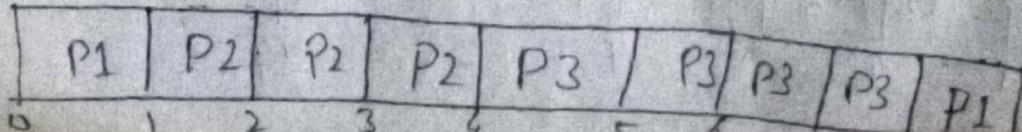
Question No. 3

ID	A-T	B-T	W-T	T-A-T	C-T
P1	0	8	12	20	20
P2	1	4	5	9	10
P3	2	2	1	3	5
P4	3	1	0	1	4
P5	4	3	16	9	13
P6	5	2	0	2	7

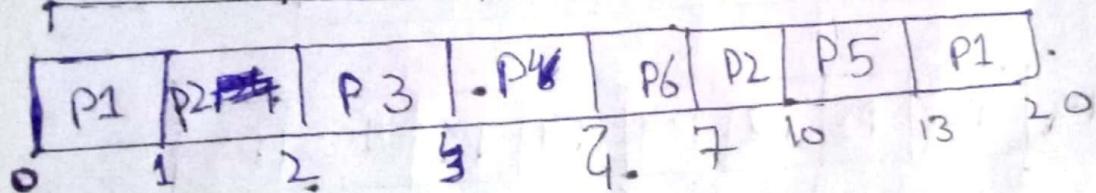


Question No. 4

ID	A-T	B-T	W-T	T-A-T	C-T
P1	0	7	7	14	14
P2	1	3	0	3	4
P3	3	4	1	5	8

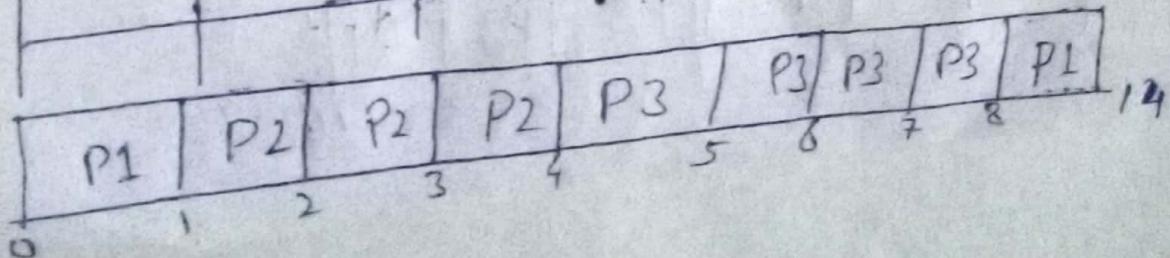


ID	A-T	B-T	W-T	T-A-T	C-T
P1	0	8	12	20	20
P2	1	4	5	9	10
P3	2	2	1	3	5
P4	3	1	0	1	4
P5	4	3	16	9	13
P6	5	2	0	2	7



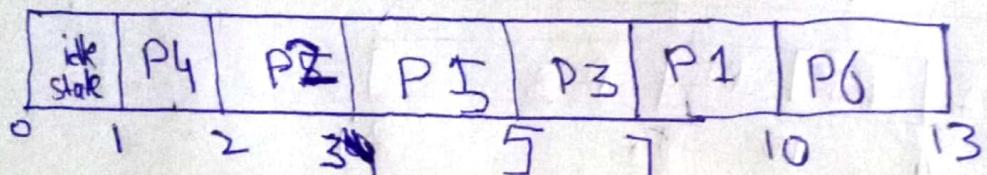
Question No. 4

ID	A-T	B-T	W-T	T-A-T	C-T
P1	0	7	7	14	14
P2	1	3	0	3	4
P3	3	4	1	5	8



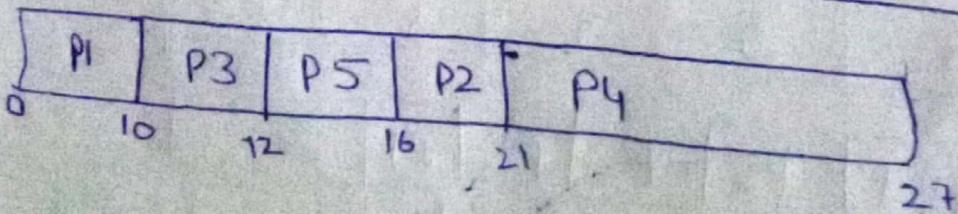
Question No. 5

ID	A-T	B-T	W-T	T-A-T	C-T
P1	5	3	2	5	10
P2	7	1	5	4	3
P3	8	2	1	1	7
P4	1	1	0	1	2
P5	1	2	2	4	5
P6	8	3	2	5	13



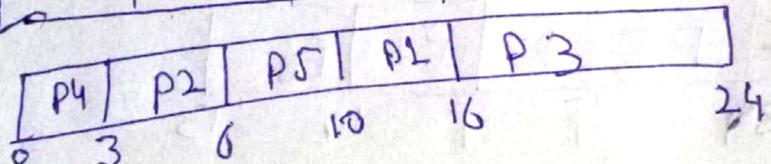
Question No. 6

ID	A-T	B-T	W-T	TA-T	C-T
P1	0	10	0	10	10
P2	3	5	13	17	21
P3	5	2	5	7	12
P4	6	6	15	21	27
P5	8	4	4	8	16



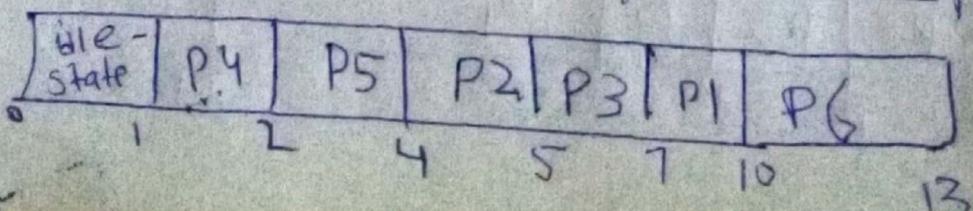
Question No. 7

ID	A-T	B-T	W-T	T-A-T	C-T
P1	2	6	8	14	16
P2	5	3	2	1	6
P3	1	8	15	23	24
P4	0	3	0	3	3
P5	4	4	2	6	10



Question No. 8

ID	A-T	B-T	W-T	T-A-T	C-T
P1	5	3	2	5	10
P2	7	1	3	2	5
P3	6	2	1	1	7
P4	1	1	0	1	2
P5	1	2	1	3	4
P6	8	3	2	5	13



Question No. 9

ID	A-T	B-T	W-T	T-A-T	C-P
P1	1	7	1	6	7
P2	2	3	5	8	10
P3	3	5	11	16	19
P4	4	4	16	10	14

idle state	P1	P2	P4	P3	
0	1	7	10	14	19

Question No. 10

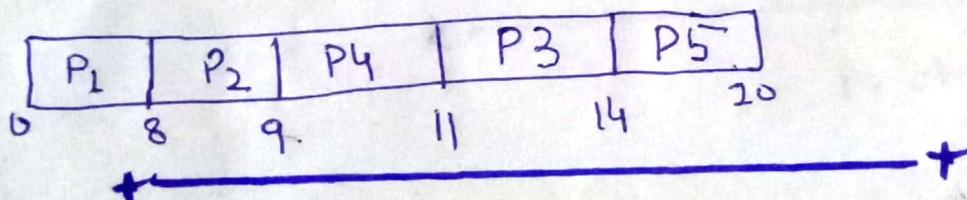
ID	A-T	B-T	W-T	T-A-T	C-P
P1	0	2	2	0	2
P2	1	3	1	4	5
P3	5	4	0	4	9

P1	P2	P3
0	2	5

SJF

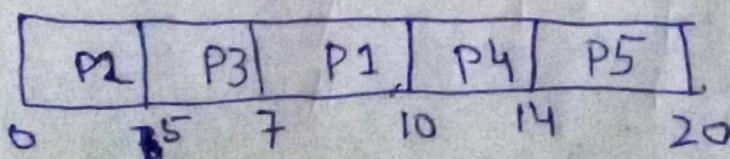
Question No. 1:

ID	A-T	B-T	W-T	T-A-T	C-T
P1	0	8	0	8	8
P2	1	1	7	8	9
P3	2	3	9	12	14
P4	3	2	6	8	11
P5	4	6	10	16	20



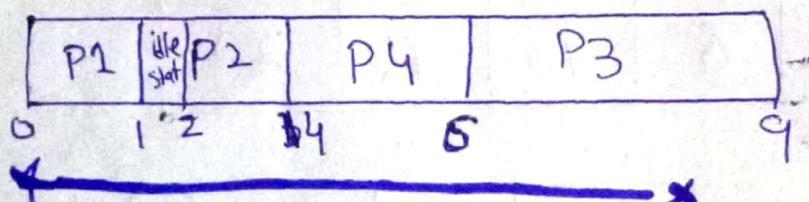
Question No. 2:

ID	A-T	B-T	W-T	T-A-T	C-T
P1	1	3	6	9	10
P2	0	5	5	5	5
P3	1	2	4	6	7
P4	2	4	8	12	14
P5	3	6	11	17	20



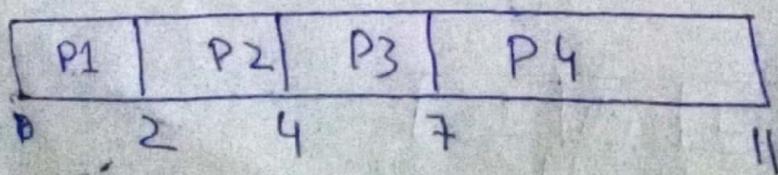
Question .T-10 .3

ID	A-T	B-T	W-T	T-A-T	C-T
P1	0	1	0	1	1
P2	2	2	0	2	4
P3	5	3	1	4	9
P4	6	2	2	0	6



Question .T-10 .4

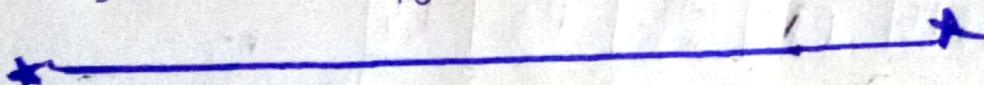
ID	A-T	B-T	W-T	T-A-T	C-T
P1	0	2	0	2	2
P2	1	2	1	3	4
P3	5	3	1	2	7
P4	6	4	1	5	11



Question No. 5:

ID	A-T	B-T	W-T	T-A-T	C-T
P ₁	0	6	3	9	9
P ₂	0	8	16	24	24
P ₃	0	7	9	16	16
P ₄	0	3	0	3	3

P ₄	P ₁	P ₃	P ₂	
0	3	9	16	24



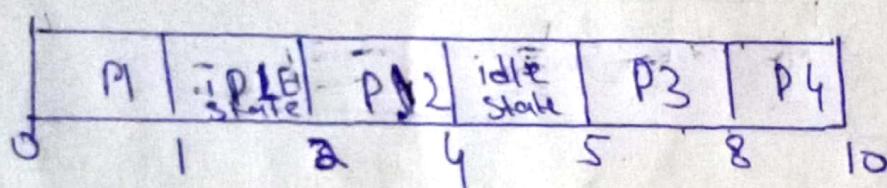
Question No. 6:

ID	A-T	B-T	W-T	T-A-T	C-T
P ₁	0	2	.		
P ₂	1	2			
P ₃	5	3			
P ₄	6	4			

P ₁	P	P ₃	P ₄	
0	2	4	7	11

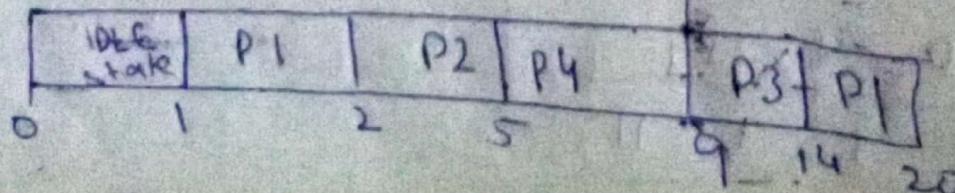
Question No. 7

ID	A-T	B-T	W-T	T-A-T	C-T
P1	0	1	0	1	1
P2	2	2	0	2	4
P3	5	3	0	3	8
P4	6	2	2	4	10



Question No 8

ID	A-T	B-T	W-T	T-A-T	C-T
P1	1	7			
P2	2	3			
P3	3	5			
P4	4	4			



Question No. 9

ID	A-T	B-T	W-T	T-A-T	C-T
P ₁	0	6	3	9	9
P ₂	0	8	16	24	24
P ₃	0	7	9	16	16
P ₄	0	3	0	3	3

P ₄	P ₁	P ₃	P ₂	
0	3	9	16	24

Question No. 10

ID	A-T	B-T	W-T	T-A-T	C-T
P ₁	0	7	7	14	14
P ₂	1	3	0	3	4
P ₃	3	4	1	5	8

P ₁	P ₂	P ₂	P ₃	P ₃	P ₁	
0	2	3	4	7	14	