Project2 Report Sample of Q1

Gantt Charts

Process A is the process which is scheduled on thread A, similarly Process B, C, D, E are defined. Gantt chart shows the execution order in which processes are executed under each scheduling algorithm.

FCF	A	B	C	D	E			
	0	17	27	52	58	70		

SJF	A	B	D	E	C			
	0	17	27	33	45	70		

Priority	A	B	D	E	C			
	0	17	27	33	45	70		

Priority	A	B	D	E	B	A	C	
Preemptive	0	10	18	24	36	38	45	70

Performance Measures

FCFS			
Process	Waiting Time	Response Time	TurnAround Time
A	0	0	17
B	7	7	17
C	14	14	39
D	34	34	40
E	38	38	50
Average	18.6	18.6	32.6

SJF			
Process	Waiting Time	Response Time	TurnAround Time
A	0	0	17
B	7	7	17
C	32	32	57
D	9	9	15
E	13	13	25
Average	12.2	12.2	26.2

Priority			
Process	Waiting Time	Response Time	TurnAround Time
A	0	0	17
B	7	7	17
C	32	32	57
D	9	9	15
E	13	13	25
Average	**12.2**	**12.2**	**26.2**

Priority corresponds to" NP_Priority" algorithm.

Priority	Preemptive		
Process	Waiting Time	Response Time	TurnAround Time
A	28	0	45
B	18	0	28
C	32	32	57
D	0	0	6
E	4	4	16
Average	**16.4**	**7.2**	**30.4**

Priority Preemptive corresponds to" P_Priority" algorithm.