

JULY '17

1 2 3 4 5 6 7 8 9
 10 11 12 13 14 15 16 17 18 19 20 21 22 23
 24 25 26 27 28 29 30 31
 M T W T F S S M T W T F S S

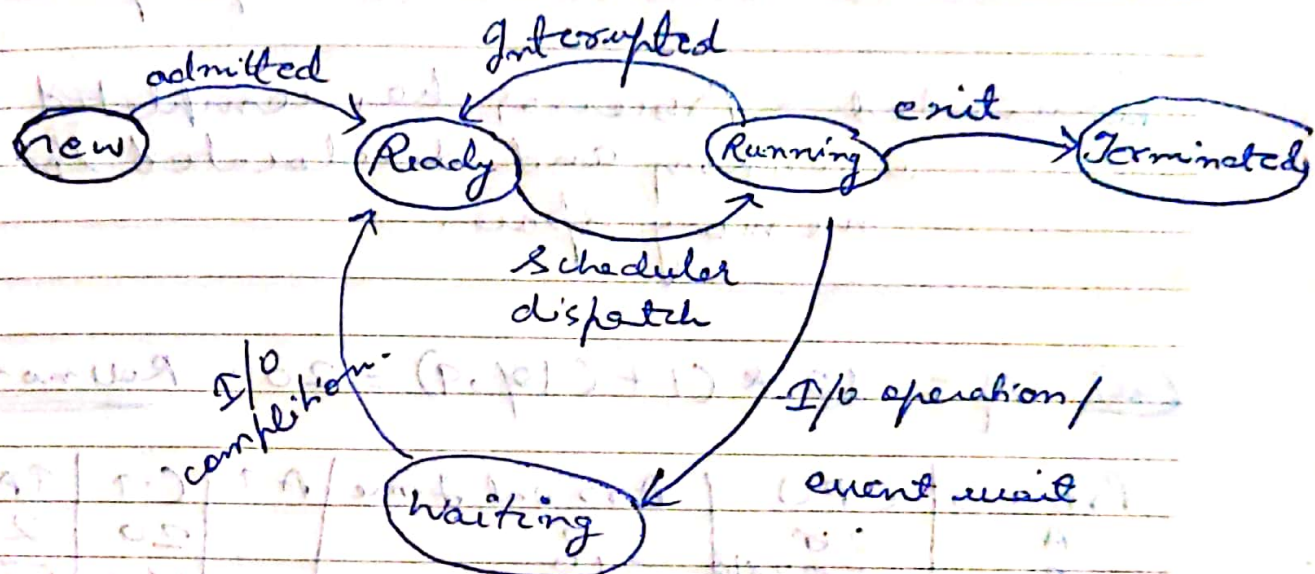
SATURDAY

24

JUNE

WK 25 • 1/5-190

Name - Sneha Pranas.



All the processes ready for execution will be placed in job pool.

Scheduler dispatcher sends the signal to execute the job.

The state of the operation is determined by the current activity of the processes.

States:-

SUNDAY 25

DAY 09

NOTES

New - It is the process created by the user.

Ready - The process is waiting to be assigned to one processor.

Running - Process is being executed by CPU.

Waiting → Process is waiting for some event to occur such as I/O operation

Terminated - Processor has completed the execution and deallocated the memory space.

(ii) $M = 10 * (1 + (10/0.9)) = 20$ Rel no - 1806251

Process	CPU	Arrival Time	A.T	C.T	TAT	WT
A	20	0		20	20	0
B	50	10		140	130	80
C	60	20		160	140	80
D	20	20		80	60	40
E	10	50		90	40	30

Time slice = 20.

A	B	C	D	E	B	C	B	C
0	20	40	60	80	100	120	140	160

~~A B C D E~~

Average W.T = $\frac{0 + 80 + 80 + 40 + 30}{5} = \frac{230}{5} = 46$

NOTES

A B C D E B C B C

JULY '17

1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26 27 28 29 30 31

M T W T F S S M T W T F S S

TUESDAY

JUNE

27

WK 26 • 172-187

(i) Lat for each process in table

(ii) Order of Completion - A D E B C

(iii) Minimum Time quant um = 60 ms.