BATCH - A

(SE 250 OPERATING SYSTEMS

SECTION-A

1.a) Batch Systems

2a) Tightly coupled systems don't share resources with

each other

3.d) Statement 2 is touce

hd) Statement 2 is tome

51) Ready state

7.

SECTION -B

Perocesono.	Asreal Cine (17)	Burst Time	(ompletion	TAT	WT
Pı	0	53	134	134	81
P2	D	١٦	37	. 37	20
P3	0	68	162	162	94
Pu	0	24	121	121	97

BATCH-A

Since aroual stime not given assumming at

z 113.5

= 73

8- Peroces Adbilites:

. Attendentes of Perocensess are used

to create PCB (process Control Block)

. Each processes on the system has

a set of attributes

. To control policies application ve

can repectly processes

BATCH-A

Attributes un Proces Control Block:

Brocen ID - Unique ID

Percess State - neady, running, writing 女

- Weightage for priority based processess - CPV used, clock time elapsed Priority

Accounting

Program Counter - Adress for pravious instruction

Grandel Purpose Register (GPV) - Own set of oregisters

I (0 states - I/O devices allocated to processes

Process States:

衣

*

水

×

÷

水

As proces gets executed, it changes reade Some of them are:

* Duning :

- Running: Instructions are exceeded
- New: The process its being orested
- Wasting: The process is waiting for some event to occur
- Roady: The process is nailing to be get assigned
- Teaminated: The process has finished executing

BATCH-A

new admitted ont terminated one scheduler despetiting I(0.

Operations involved:

大

水

Creation: Wating in queul

Scheduling: Scheduled sprocess abnamally ours first

Escecution: Process Escecuting started

Deletron: Once Purpose of process over, it is deleted

OS pulls the process.