Ct-04 Azizul Islam Nayem 10.01.2021 011201262 Set 102 Section A.

Question-02

EDD: B-D-A-C-E-F.

706	Processing time (har)	Due time	Flowtime	job loteness
13	379	391	379	0
D	369	505	748	243
A	378	867	1126	259
C	389	1145	1515	370
E	398	1378	1913	535
F	399	1588	2312	724
2312			7993	2/3/1

Total flow time DAVETage completion time = total number of Jobs 7993 EDDO 18-0-18-0-E-F. 2 1332.16. total processing time. 1 otilization = . Total flow time 248-1240 2312 7993 28.93 % 1515 1370 Average number of jobn in system = total flow time Total Processing time 7993 2312 3.46.

@ average job lateness= Total latehess 2131

LPT: F-E-C-B-A-D

	1 50	1 66		133
2000	Processing time(hr)	Due time	blow time	Joblateress
F	399	1588	399	0A (0)
E	398	1378	797	100
C	389	1145	1186	41
B	379	391	1565	1174
A	378	867	1943	1076
D	369	505	2312	1807
	23/2		8202	4098

D Average completion time = 8202 z 1367.

1 otilization = 2312 8202

3) Average number of jobb in

Nymtem = 8202

2312

7 3.55

(4) Average Job latenean = 4098 2 683

1000

0100

We see that, In EDD Priority rules the avenge number of Jobo in the rypte on is less than In LPT Priority So, the best requence will EDD Process. That is Question-01 Controt (100% detective) Quality level 100% (800d)

Fig: Jurans optimum quality losset model.

(1) In the figure, it can be seen that the Corot of bailure decliners as conformance Quality develo improve toward perfection, While the cost of appraisal plus Prevention increases. There is some offimum target grality level where the num of Prevention, apprairal, and tailure contro is at a minimum. Efforts to improve quality level setter than the optimal level will result in increasing the total scality copto.

2) Juran acknowledged that in many cases the classical model of optimum quality coptro is flawed to common to find that quality levels can be economically improved to literal Pertection. 50, The new model of optimum Quality copt incorporates the Popositi lity of zero defects. 3 0000009 103 10 - NOT conto Approvious duality level 100% (100% defective) Hilaus months of may 5 this . Ishor tool