

Scanned with CamScanner

(4) Path-5 Id. 20-425569 B-E-H-J = 5+3+ x+6 = 21 days Path - 6 B-E-G-J = 5+3+3+6 = 17 days Path-7 B-D-H-J 1-H-D-A = 5+2+7+6 = 20 days Path - 8 8-D-A-J = 5+2+3+6 240p =1 = 2+8+0+0 == = 16 days

We	see pall -5 is n	nax days . So B-E-H-
	enifical path.	
	to down but be privile	
	cle low day lostin	in the six "g"

				Mld. Sumon		
*	135567	Ans do	The	11:20-42556-1		
	=		(c)		100	
1	Activity	ES	EF	LS	LF	Slack
	1-2	0	4	2	6	2
	1-3	0	5	0	5	0
	2-4	4	6	609	8	2 hivilok est
	3-4	5	8	5	8	0
1	3-5	5	マ	6	8	1 shop I not
1	4-6	8	10	14	16	6 . smit
	5-7	8	11	12	15	4
	5-8	8	15	8	1500	0001 \$ 1E
	6-9	10	15	16	21	6
	8-9	15	21	15	21	0 200 0 000

= 46000

Md. Suman Mld Samon 1 -01/10 M Id: 20-42556-1 Ans to the antion 1 Yes, Activity I's can be delayed Fon 6 days without changing the completion time . II \$ 1000 can be save for each days 80, 6 days some \$ 1000 x 6 =\$6000

Ans to the Quetion HO I

(e)

It activity F is delayed by 2 days and additional five days total 7 days. We see "f" slack is 6. So the completion time will change. So it is not possible by keeping the project completion time unchanged.

And to the Question 1

It activity I from 6 days to 2 days. So

preaject will be completed (21-4) day

= 17 days.

Ans Loshe Ou NO 2

Md. Sumon Id: 20-42556-1

Leash Cost Method.

	Cox	BAN	FEN1	SY	Supply
DAC	10	60	220	[14	
CTG	200	150	/18	12	350
TAN	<u>[Is</u>	140	[8-	160	300
Demand	200	350	220	160	930

Total cost
=
$$(200\times10)+(60\times8)+(150\times12)+(140\times14)+$$

 $(220\times6)+(160\times14)$

008ez= 6200 latot

Ans to the Question No-3

Activity A = (2 x 2000 x 10) + (50 x 50) + (125 x 125)

= 699 ×91.6x taka

Activity B = (10 × 300 × 7) + (18 × 15000) + (20 × 20000) + (2 × 1200 × 7) + (7 × 500 × 7)

= 732300 Taka

Activity C = (15×15000) + (15×125) + (2×2000×5) + (5×1000×5) + (500×800)

STORES GRIBRS Taka

Activity $D = (20000 \times 10) + (100 \times 20000) +$ $(15 \times 300 \times 3) + (5 \times 3 \times 800)$ $+ (25 \times 125) + [30000/24) \times 3 \times 2$ + 2236125 + aka

E-011 milled sit of one

Activity $E = [15 \times 1(1000000 / 24) \times 2] + (2 \times 800 \times 2)$ $+ (35 \times 50) + (40 \times 125)$

= 51616.67 taka

Total cost precise. = 699791.67 + 732300 + 671875 + 2236125 + 51616.67 = 4391708.34 Take

$$u = \frac{\sigma}{61000} = \frac{1000}{61000}$$

if 1000 units can be sold 4000 take. sell

Price should be 61 Tk

And to the Question NOS

Md. Sumon Id: 20-92556-1

Liel and explain al least four functions
of inventory along with relevant examples—

O to decouple operations: Manufacturing firms keep buffer stock to tackle any disruption in the operation. The buffers permit other operations to continue temporarily while the problem is resolved (Cement factories)

incheases in demand inchease the risk of shortages. Delays can occum because of

weather condition, delayed deliveries, quality problem edc. The nisk of shouldage can be neduced by holding safely stock. 3) To take advantage of quantity discount Suppliens give discount on large onders To pennil operations - Inventory of naw maderial, semi-finished goods and finished goods as well as goods should in wanchouse allow the operation to continue at different stages.



Mld. Sumon

Id:20-42556-1

Am to the question no 6

The effective capacity is design capacity. minus pensonal and other allowances. Design carpacity refers to the maximum designed service capacity on output reate. effective capacity that can be achived under ideal conditions with unlimited near resources such as labor, power, maderials and parts. Design capacity is the maximum output of a structure, facility, process, machine, tool on componed based on its design.