Intro to Software Project Management Final

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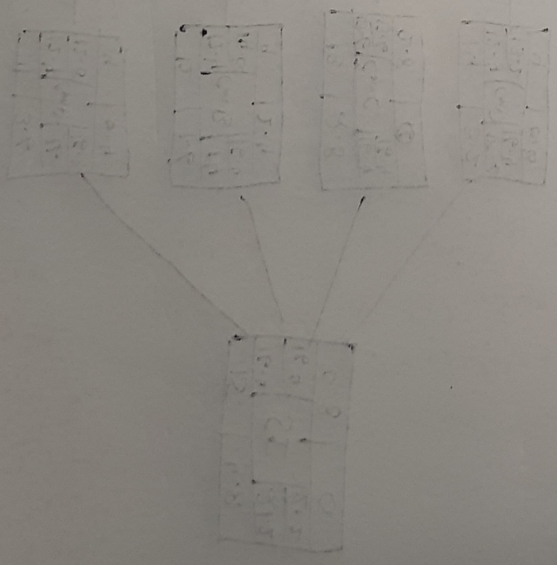
Sec: A

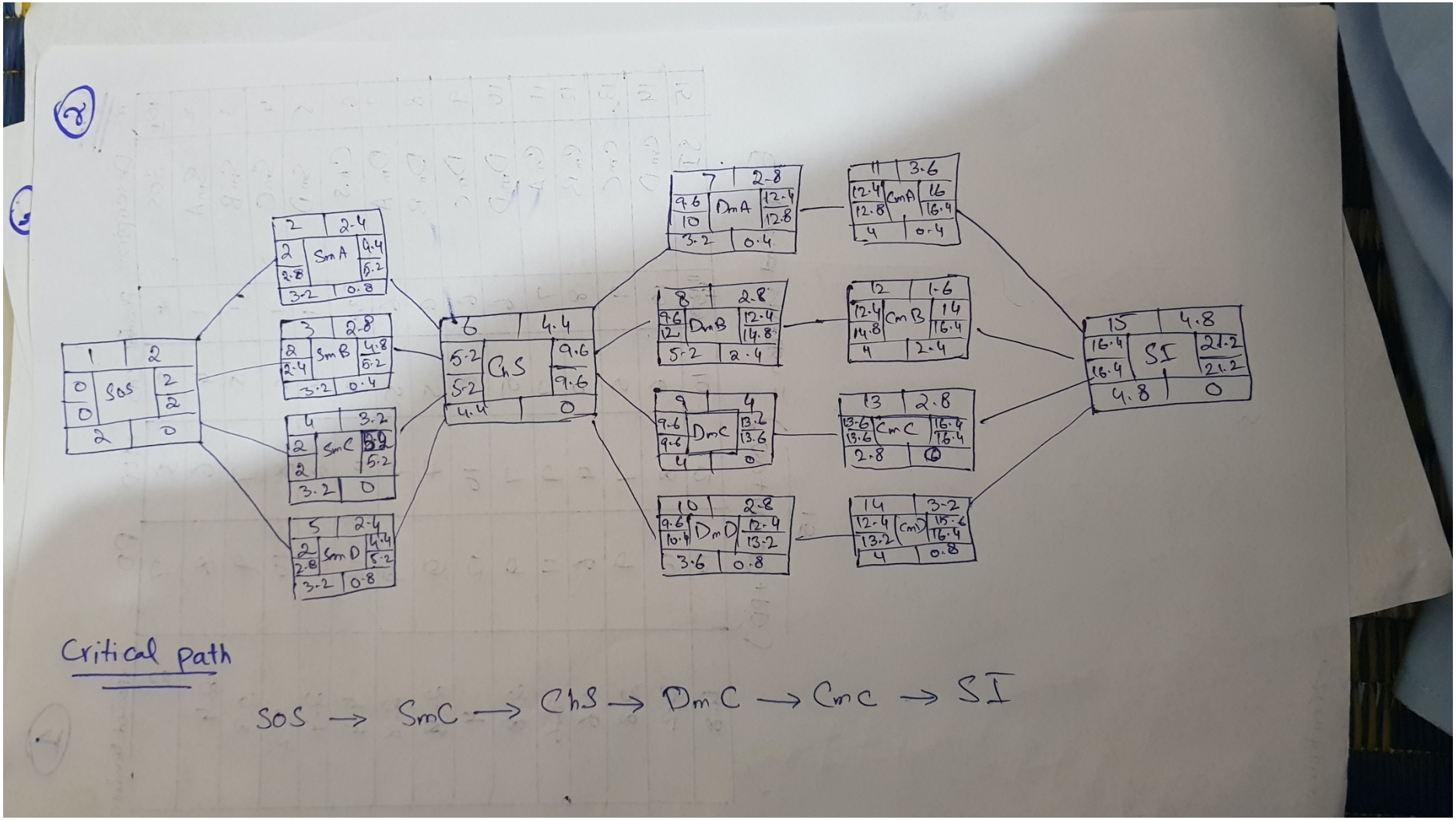
Q:2

ID	Description	Precident	OD	MLD	PD	Expecied duration
1	SOS	*	3	5	7	2
2	SmA	1	4	6	8	2.4
3	SmB	1	5	7	9	2.8
4	SmC	1	6	8	10	3.2
5	SmD	1	4	6	8	2.4
6	ChS	2,3,4,5	9	11	13	4.4
7	Dm A	6	5	7	9	2.8
8	Dm B	6	5	7	9	2.8
9	DmC	6	8	10	12	4
10	DmD	6	5	7	9	2.8
11	CmA	7	7	9	11	3.6
12	CmB	8	2	4	6	1.6
13	CmC	9	5	7	9	2.8
14	CmD	10	6	8	10	3.2
15	SI	11,12,13,14	10	12	14	4.8

$$\text{Expected Duration} = \frac{(OD + 4(MLD) + PD)}{15}$$



→ Continue



Critical path

SoS → SmC → ChS → DmC → CmC → SI

Q3:

(3)

a) People = 10
daily work = 5 hrs
daily cost per hour-peop = 5 $
total daily cost = 5×5×10 = 250 $

Given
$A_{WC} = AC = 10000\ \$$

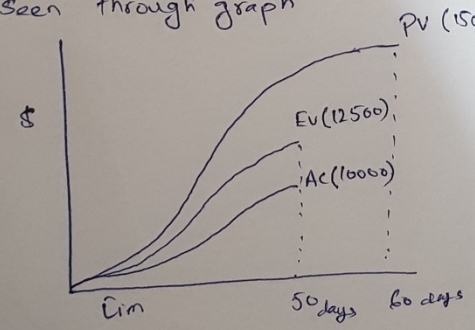
As 50 days work is done So

$BCWP = EV = 50 \times 250 = 12500\ \$$

To get BCWS, as we know we are 10 days behind schedual So we would have completed work of 60 day till now.

$BCWS = PV = 60 \times 250 = \$15000$

We are behind scheduel as can be seen through graph



we can se we are behind schedaal be further we are under budget

$SV = EV - PV = 12500 - 15000 = -2500$ (behind schedu

$CV = EV - AC = 12500 - 10000 = 2500$ (under Budg

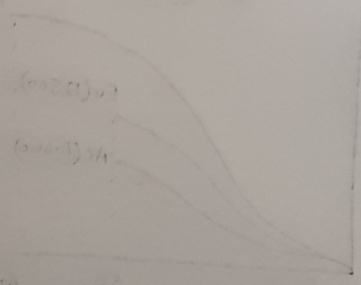
$SPI = EV/PV = 12500/15000 = 0.83$

$CPI = EV/AC = 12500/10000 = 1.25$

b) (4)

We Can achieve target by

1. Work harder overtime & weekends
2. adding more people
3. Exception planning
4. Compromise on Quality
5. Reduse scope.



Q:2

Q1

Raw Data	S	M	C	FP
input	4	5	3	
output	3	3	6	
Inquiries	2	2	1	
files	1	2	7	
UI	5	1		8
Input cont	8	3		7
Output cont	2.	2		5
Inquiri cont	1	1		3
Data file count	3			13
UI count	2	1	1	36
Total				

input cont = 3

Password, Button, Toggle

outputs = 2

Status, warning

Inquiry = 2

Sensor, Zone

UI = 4