

Date: ___/___/___

Day: M T W T F S

Name

Salman

Ahmed

ID

No

6864

Section

No

B

Paper

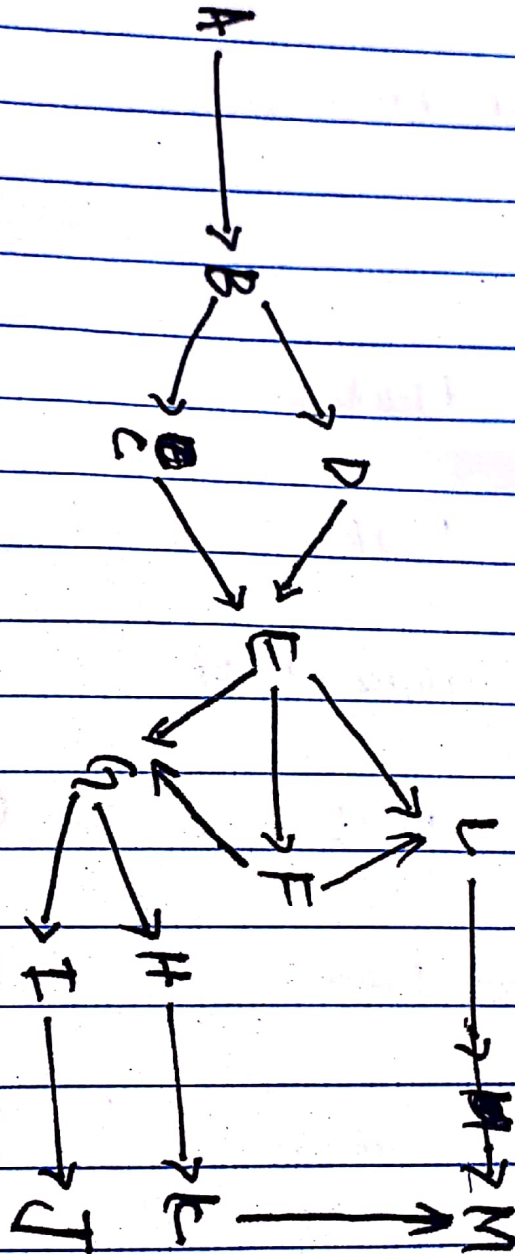
Construction Management

Semester

8th.

NO	Activity	Code	Time	predecessor
(1)	Earthwork	A	3 days	
(2)	Rcc sub structure	B	7 days	A
(3)	DPC	C	1 days	B
(4)	Super structure	D	30 days	B
(5)	Bricks work	E	18 days	C, D
(6)	Roofing & water proof	F	6 days	E
(7)	Plaster works	G	25 days	E, F
(8)	Painting works	H	15 days	G
(9)	Int Floor Finisher	I	14 days	G
(10)	ceiling Finisher	J	8 days	I
(11)	Woods work	K	20 days	H
(12)	MEP works	L	70 days	E, F
(13)	Cleaning & handover	M	10 days	L

Ⓢ Precedence Diagram Ⓢ



Possible ~~critical~~ Paths

$$(1) \quad A \rightarrow B \rightarrow D \rightarrow E \rightarrow F \rightarrow G \rightarrow H \rightarrow K \rightarrow M$$

$$3 + 7 + 30 + 18 + 6 + 25 + 15 + 20 + 10 = 134$$

$$(2) \quad A \rightarrow B \rightarrow C \rightarrow E \rightarrow F \rightarrow L \rightarrow M$$

$$3 + 7 + 1 + 18 + 6 + 20 + 10 = 115$$

$$(3) \quad A \rightarrow B \rightarrow C \rightarrow E \rightarrow F \rightarrow G \rightarrow I \rightarrow J$$

$$3 + 7 + 1 + 18 + 6 + 25 + 14 + 8 = 82$$

$$(4) \quad A \rightarrow B \rightarrow D \rightarrow E \rightarrow F \rightarrow G \rightarrow I \rightarrow J$$

$$3 + 7 + 30 + 18 + 6 + 25 + 14 + 8 = 111$$

$$(5) \quad A \rightarrow B \rightarrow D \rightarrow E \rightarrow F \rightarrow L \rightarrow M$$

$$3 + 7 + 30 + 18 + 6 + 20 + 10 = 144$$

Number 5 is critical path.

Day: M T W T F S

Critical Path activity Box

ES	A	EF
S	Description	
LS	D	LF

Terminologies

A = Activity

D = Duration

ES = Early start.

EF = Early Finish

LS = Late start.

LF = Late Finish

S = Slack Time.

Date: / /

Day: MTWTFSS

Date: / /

Day: MTWTFSS

134	M	144
0		
134	10	144

104	K	124
10		
110	20	134

103	J	111
0		
103	8	111

64	L	134
0		
64	70	134

58	F	64
0		
58	6	64

89	H	104
10		
99	15	114

89	I	103
0		
89	14	103

10	D	10
0		
10	30	10

40	E	58
0		
40	18	58

64	G	89
0		
64	25	89

0	A	3		10
0		3	0	
0	3	3	3	7
				10

10	C	14
29		
29	1	40