

Name	*	Asim Ali
ID	*	7763
Sec	*	C
Subject	*	Construction Engineering
Submitted to	*	Engr. Zeeshan Ahad.
Department	*	BS Civil

Q: 1

①

Part (a)

Activity List of a Two story Building:-

- 1) Survey
- 2) Geotechnical Investigation
- 3) cleaning of Site
- 4) Excavation
- 5) steel Work
- 6) Foundations steps footing
- 7) Plinth Beam
- 8) Brickwork in Ground Floor
- 9) Form Work of Ground Floor
- 10) Slab Concrete + Curing
- 11) Beams & Columns 1st floor
- 12) Electrification
- 13) Brick Work in (F.F)
- 14) Plastering in (G.F)
- 15) Painting in (G.F)

(16) Finishing in (G.F) ②

(17) Slab concrete in (F.F)

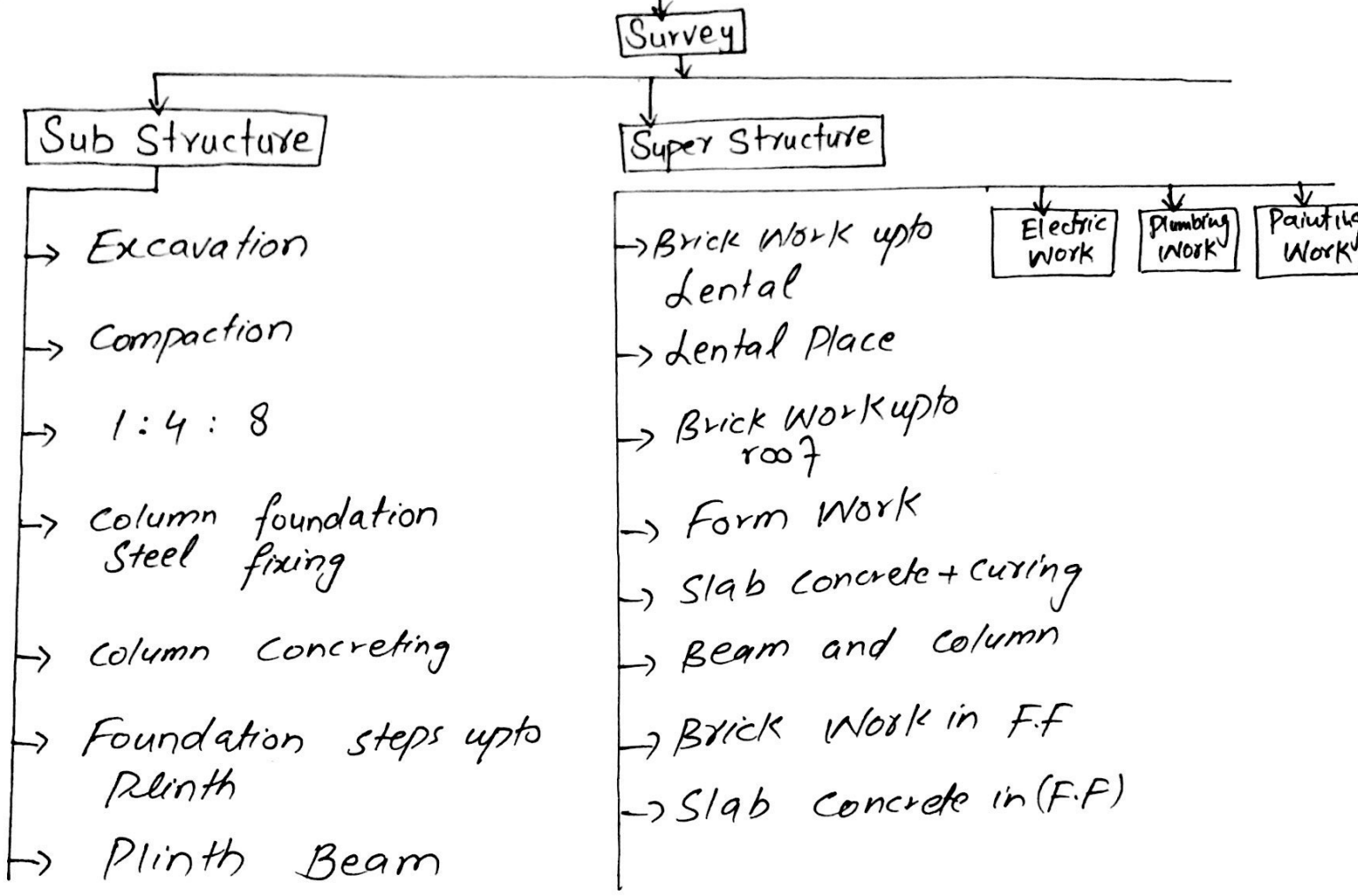
(18) Paints in First Floor

(19) Site clearance.

(Breakdown Structure)

New House

3

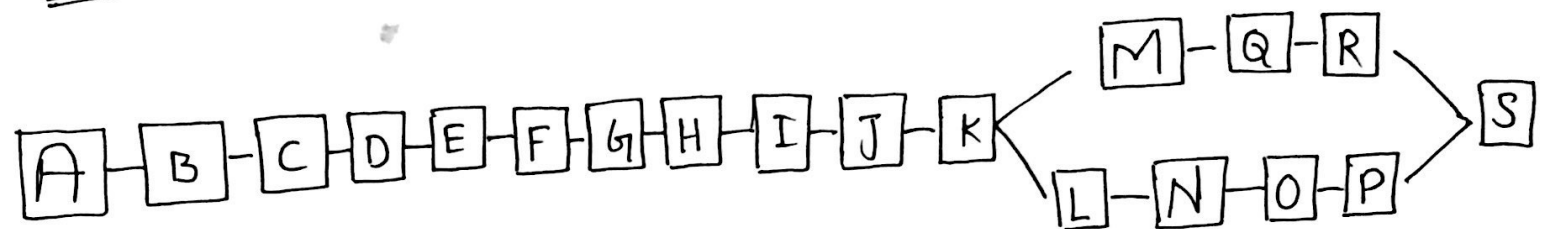


S.No	Activity	④ Start date	Duration	End date
A	Survey	18-4-2020	34	21-4-2020
B	Geotechnical Invest	22-04-2020	2	23-04-20 ²⁰
C	cleaning of site	24-04-2020	34	27-04-2020
D	Excavation	28-04-2020	7	5-05-2020
E	Steel work	6-05-2020	2	8-05-2020
F	Foundation Steps footing	9-05-2020	13	22-05-2020
G	Plinth Beam	23-05-2020	2	25-05-2020
H	Brickwork in Ground Floor	26-05-2020	24	21-06-2020
I	Form work of Ground Floor	22-06-2020	3	25-06-2020
J	Slab concrete + curing	26-06-2020	10	6-07-2020
K	Beams and columns 1st floor	7-07-2020	4	11-07-2020
L	Electrification in G.F	7-07-2020	3	9-07-2020

M	Brick Work in (F.F)	12-07-2020 (5)	20	1-08-2020
N	Flastering in (G.F)	10-07-2020	15	24-07-2020
O	Painting in (G.F)	25-07-2020	7	1-08-2020
P	Finishing in (G.F)	2-08-2020	2	3-08-2020
Q	Slab concrete in (F.F) + curing	2-08-2020	10	11-08-2020
R	Paints in First Floor	12-08-2020	7	18-08-2020
S	Site clearance	19-08-2020	3	21-08-2020

Q.c Prepare a critical Path (CPM) of the project?

Ans:



Ans: (d)

Critical Path is

A B C D E F G H I J K M Q R S

The maximum Time taken by Project is

112 day or 16 weeks.

Ans (e)

L, N, O, P activities

have slack time.

complete