

Name

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Id

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Sec

A

Subject

Construction  
Management

Instructor

Engr Dr M. Ahad

Q1

Ans:- a

Activity List of a two story building.

Survey

Layout and Marking

Excavation

Ground surface compaction

Leveling of ground surface.

lean concrete.

Excavation for column base

column foundation steel fixing.

column concreting

PCC in foundation

Foundation steps upto plinth.

Plinth beam.

Brick work upto lintel

Lintel Place

Brick work upto roof.

Installation of formwork

Slab concreting

Beam and column (F.F)

Electric work (G.F)

Brick work in first Floor.

Electric wiring G.F

Plastering in G.F

Finishing in G.F

Formwork in F.F

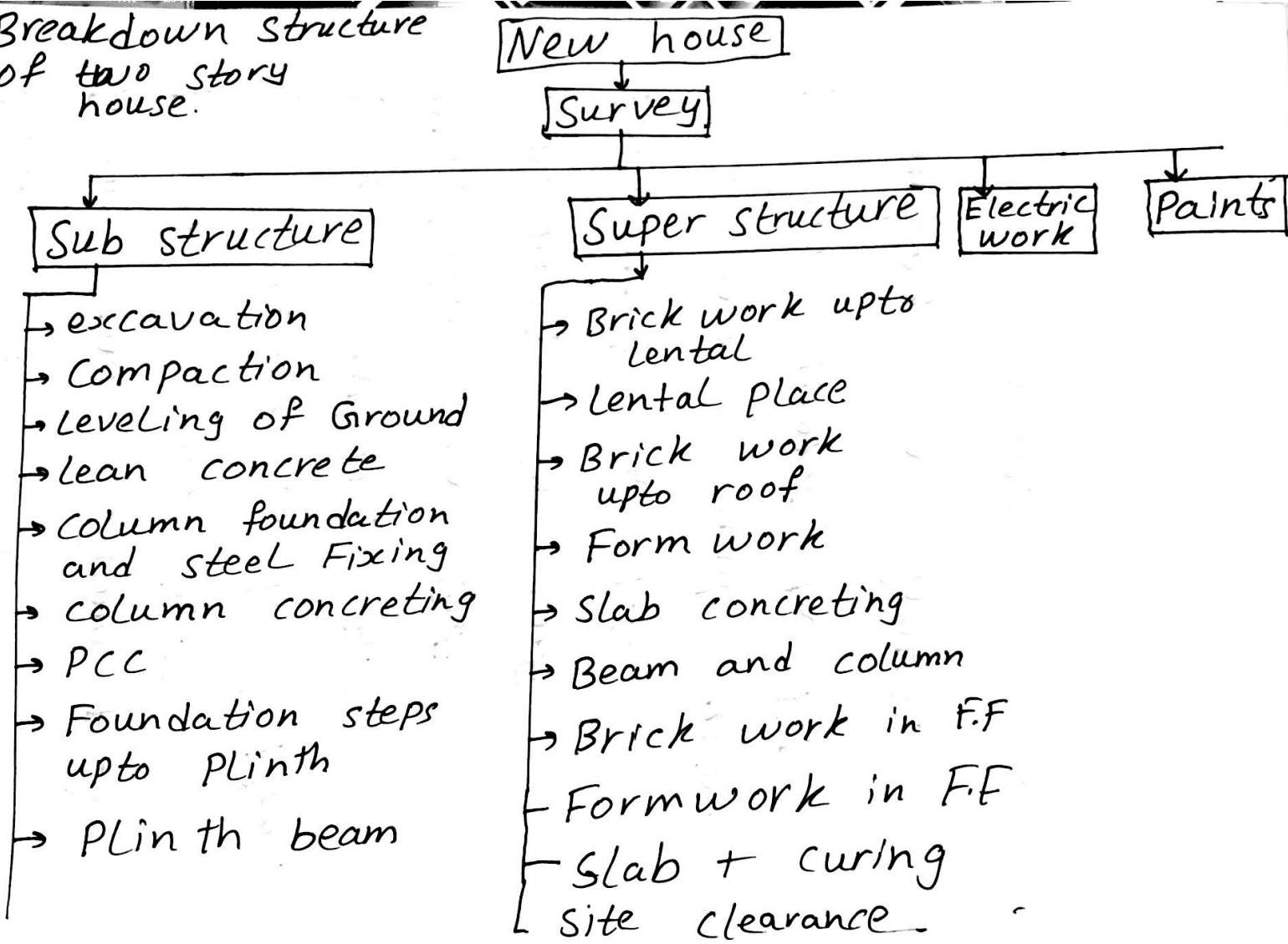
Slab concrete and curing

Electric work in F.F

Painting in house.

site clearing

# Breakdown structure of two story house.



Activity	Start date	Duration	end date
Survey	17-04-2020	3	19-04-2020
Layout an Marking	20-04-2020	1	20-04-2020
Excavation	21-04-2020	7	27-04-2020
G.S compacting	28-04-2020	1	28-04-2020
Leveling of G.S	29-04-2020	1	29-04-2020
Lean concrete	30-04-2020	1	30-04-2020
Excavation for column Base	1-05-2020	1	1-05-2020
column foundation Steel Fixing	2-05-2020	2	3-05-2020
column concreting	4-05-2020	1	4-05-2020
PCC in Foundation	5-05-2020	2	6-05-2020
Foundation steps upto plinth	7-05-2020	13	19-05-2020
Plinth beam	20-05-2020	2	21-05-2020
Brick work upto lental	22-05-2020	14	04-06-2020
lental place	05-06-2020	4	8-06-2020
Brick work upto roof	9-06-2020	20	28-06-2020

Form work	29-06-2020	3	1-07-2020
Slab concrete and curing	2-07-2020	10	11-07-2020
Beam and Column (F.F)	12-07-2020	3	14-07-2020
Electric work (G.F)	12-07-2020	3	14-07-2020
Brick work in first floor	15-07-2020	20	3-08-2020
Electric wiring (G.F)	15-07-2020	4	18-07-2020
Plastering in G.F	19-07-2020	11	29-07-2020
Finishing in (G.F)	30-07-2020	2	31-07-2020
Form work in (F.F)	4-08-2020	5	8-08-2020
Slab concrete and curing	9-08-2020	10	18-08-2020
Electric work (F.F)	19-08-2020	4	22-08-2020
Painting in house	23-08-2020	15	7-09-2020
site clearing	8-09-2020	2	9-09-2020

S - No	Ans = C
A	Survey
B	Layout and Marking
C	Excavation
D	Ground surface compacting
E	Leveling of Ground surface
F	lean concrete
G	Excavation for column Base
H	column foundation and steel Fixing
I	column concreting
J	PCC in Foundation.
K	Foundation steps upto Plinth
L	Plinth beam.
M	Brickwork upto lental.
N	lental place.
O	Brick work upto roof
P	Form work
Q	Slab concreting

R	Beam and column (F.F)
S	Electric work (G.F)
T	Brick work in first Floor.
U	Electric wiring (G.F)
V	Plastering in G.F.
X	Finishing in G.F
W	Form work in F.F
Y	Slab concrete and curing
Z	Electric work in F.F.
A'	Painting in house.
B'	site clearing-



Ans = C



Critical Path is =

ABCDEF GHIJKLMNOPQ R W Y Z A' B'

Ans (d)

The maximum time taken  
by project is 145 days  
or 21 weeks.

Ans (e)

S, U, V, X activities  
have slack time.