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SUBMITTED TO : ENGR. DR. MUHAMMAD
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STUDENT ID : 7739

SECTION : "B"

SUBJECT : CONSTRUCTION
MANAGEMENT.

Ques.:

Ans (9) Activity list of a two story building.

Planning and marking

Survey

Excavation

Dumping and compaction

Ground surface leveling.

1:4:8

Formwork for columns

Steel fixing of column foundation.

Concreting in foundation.

Foundation steps upto plinth.

6" or 9" plinth.

Brick work upto lintel

plating after brick work, lintel.

Brick work to roof.

Formworking for slab.

Slabs concreting⁽²⁾
Beams and columns 1st floor

Electric work + plumber ground floor.

Plastering in ground floor

Brick work in 1st floor

Slab concrete 1st floor + curing.

Electric work in 1st floor

Painting

Finishing site + clearance.

⇒ "Breakdown structure" of two story house"

Constructing.

(3)

New House

Sub Structure

- Planning & marking
- Survey
- Excavation
- Dumping & compaction
- Ground surface leveling
- 1:4:8
- Formwork for columns.
- Steel fixing of column Foundation
- Concrete in foundation
- Foundation steps upto plinth.
- 6" or 9" plinth.

Super Structure

- ↳ Brick work upto lintel
- ↳ Placing after brick work.
- ↳ Brick to roof.
- ↳ Formwork
- ↳ Slab concreting + curing
- ↳ Beams & column.
- ↳ Plastering (G.F)
- ↳ Brick work (1st Floor)
- ↳ Slab concrete (1st Floor)
- ↳ ~~Painting~~
- ↳ Finishing site & clearance

Electric work

Plinth work.

Activity	Start date	Duration	end date.
Planning & monitoring	17-04-2020	2	18-04-2020
Survey	19-04-2020	2	21-04-2020
Excavation	22-04-2020	6	27-04-2020
Dumping & compaction	28-04-2020	2	30-04-2020
Ground surface leveling	1-05-2020	1	1-05-2020
1:4:8	2-05-2020	1	3-05-2020
Formwork for columns.	4-05-2020	1	4-05-2020
Steel fixing of column foundation	5-05-2020	2	06-05-2020
Concrete in foundation	07-05-2020	1	07-05-2020
Foundation steps upto plinth.	08-05-2020	12	19-05-2020
6" or 9" plinth	20-05-2020	2	22-05-2020
Brick work upto lintel	23-05-2020	13	05-06-2020
Placing after brick work, lintel	05-06-2020	3	07-06-2020
Formwork for slab. => Brick work to roof.	08-06-2020	21	28-06-2020

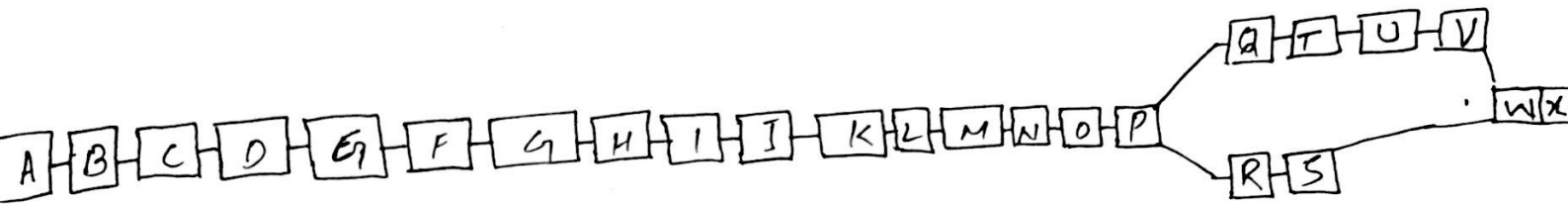
Formwork	29-06-2020	3	1-07-2020
Slab concreting, curing	02-07-2020	10	11-07-2020
Beams & columns 1 st floor.	12-07-2020	3	14-07-2020
Electrification work + Plumber (G.F.)	12-07-2020	6	17-07-2020
Plastering in (Ground Floor)	18-07-2020	3	20-07-2020
Brickwork in 1 st floor	15-07-2020	15	29-07-2020
Slab concrete 1 st floor + curing	30-07-2020	10	09-08-2020
Electrical work in 1 st floor	10-08-2020	4	11-08-2020
Painting.	14-08-2020	20	03-9-2020
Finishing site and clearance	04-09-2020	5	08-09-2020

S. No	(7) (8)
A	Planning & marking.
B	Survey.
C Excavation	Excavation.
Dumping & "D"	Dumping & compaction.
E	ground surface leveling.
F	1:4:8
G	formwork for columns.
H	steel fixing of column foundation.
I	concrete in foundation.
J	foundation steps upto plinth.
K	6" or 9" plinth.
L	Brick work upto lintel.
M	placing after brick work & lintel.

(8)

N	Brick work. to roof.
O	Form work
P	Slab concreting.
Q	Beams & Columns 1 st floor.
R	Electric work + plumber (G.F.).
S	Plastering in (ground floor)
T	Brick work in 1 st floor.
U	Slab concrete 1 st floor + curing.
V	Electric work in 1 st floor.
W	Painting
X	Finishing Site + clearance.
Y	" "

Ans (C)



Critical Path:-

(a) A B C ~~D~~ E F G H I J K L M N O P Q T U V W X

(10)
Ans (d)

Maximum time taken by the
project is 139 day or 20
weeks.

Ans (e) ~~R~~, ~~S~~

R & S activities have

slack time.

