

IQRA NATIONAL UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

MID-TERM EXAMINATION.

NAME:- Muhammad Abdullah Khan

REG:# 7720

SEMESTER:- 8th

SECTION:- B

Subject:- Construction Management.

Instructor:-

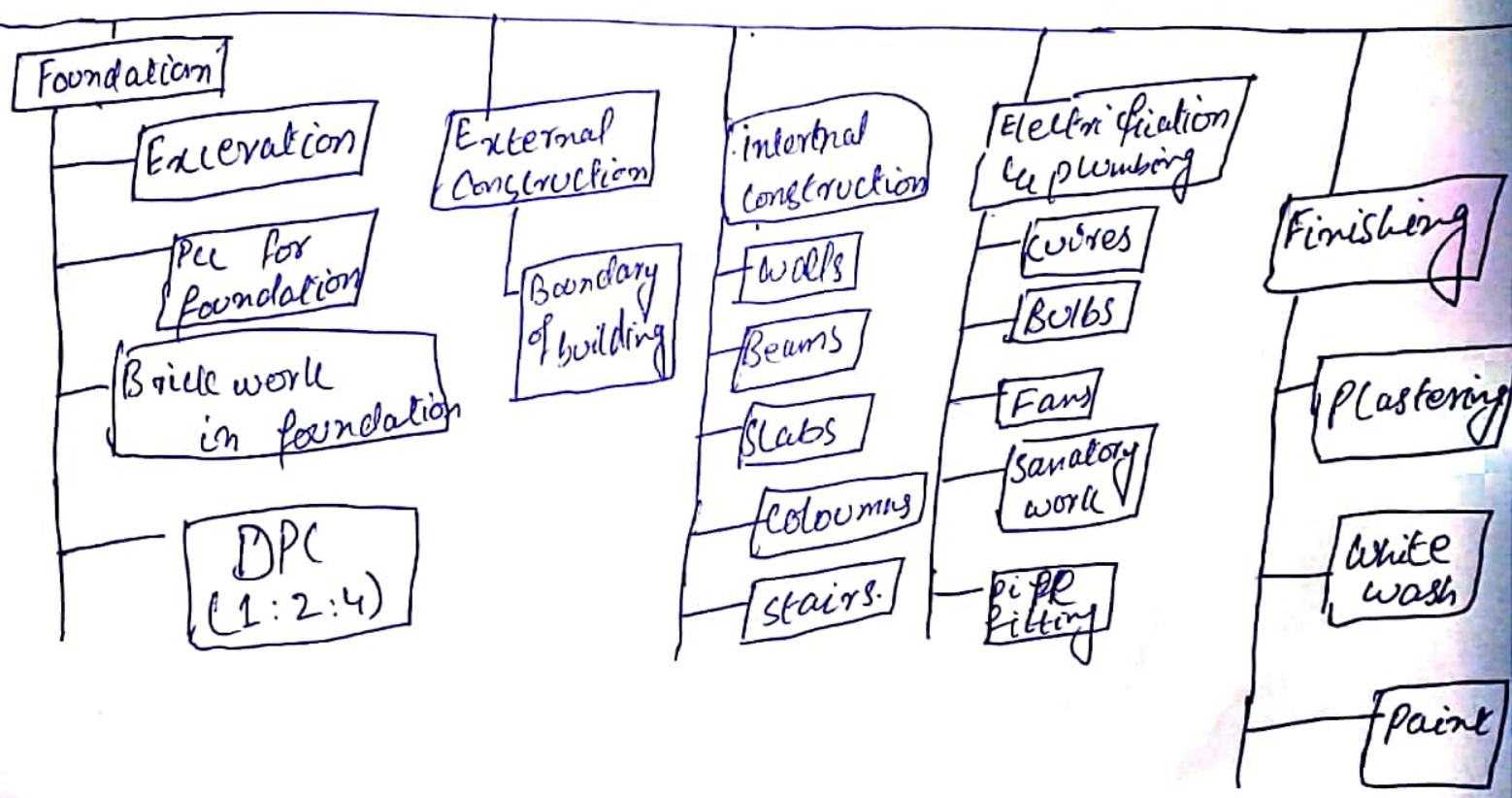
Mr. Dr. Muhamad Zeeshan. Akad

Part # 1:-

Activity list:-

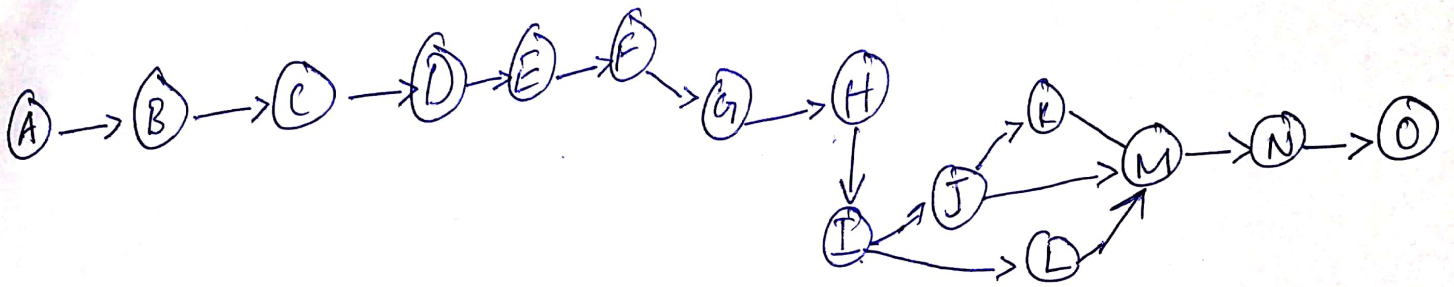
- 1) Layout drawings
- 2) foundation
- 3) External constructions.
- 4) Internal constructions.
walls
flooring
ceiling.
window & doors
- 5) Roof
- 6) Services.
kitchen
Plumbing
Bathroom
Heating / AC
Electrical
lighting
- 7) Yard & Access.

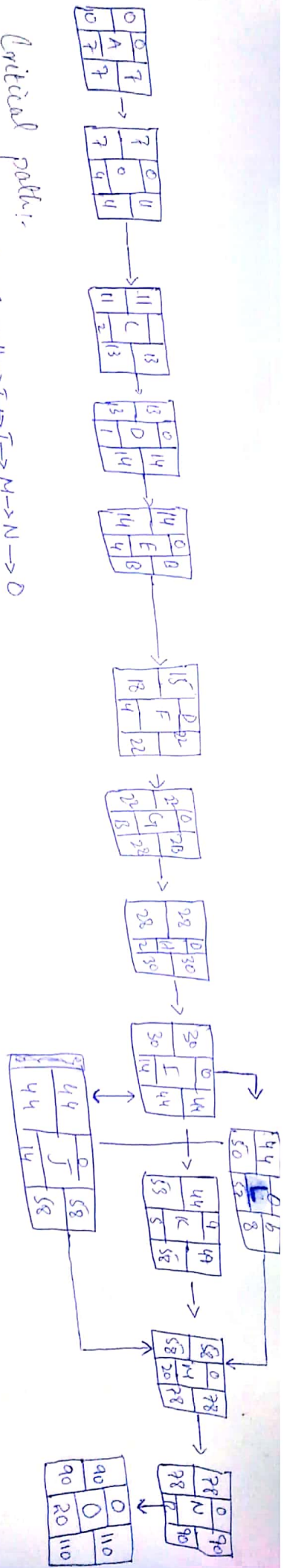
Work breakdown structure House construction.



Timeline:-

| Notation | Activity Name | Procedure | Duration. Days. |
|----------|----------------------|-----------|-----------------|
| A | layout & drawing | — | 7 |
| B | Excavation | A | 4 |
| C | P.C.C for foundation | B | 2 |
| D | D.P.C | C | 1 |
| E | Columns | D | 4 |
| F | Beams | E | 4 |
| G | Stairs | F | 6 |
| H | Concreting of slab | G | 2 |
| I | Brickwork | H | 14 |
| J | Plumbing | I | 4 |
| K | Electrification | J | 5 |
| L | Plastering | K, J | 8 |
| M | Doors & windows | J, K, L | 20 |
| N | Coving of slab | M | 12 |
| O | Flooring tile work | N | 20 |





Critical path:

A → B → C → D → E → F → G → H → I → J → M → N → O

d) Maximum time taken by project is 110 days

e) Activity K and L has slack time of 9 and 6 days