## Department of B.E Civil Engineering


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Assignment \# Mid Paper

Semester:
Section :
Subject:
Submitted to:
Construction Management
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## 4 ACTIVITY LIST:

Following are the activities performed in the construction of house.
a) Planning
b) Survey
c) Mobilization
d) Layout
e) Excavation
f) Foundation
g) Columns
h) Slabs
i) Brick walls work
j) Sanitary fitting
k) Flooring

1) Finishing
m) Wood work
n) Electrification
o) Miscellaneous

## * Work Breakdown structure of building:



## 4 Critical Path Method:



# $\mathbf{A} \Rightarrow \mathbf{c} \Longleftrightarrow \mathbf{D} \Longleftrightarrow \mathbf{E} \Rightarrow \mathbf{F}$ 



Path 1: A, C, D, E, F, G, IJ, K, L, M
$=7+1+4+11+9+42+4+8+32+10+14=142$ DAYS=4.733MONTHS.


SO the critical path of the project is path " 1 " which is equal to 4.733 months.

## $\rightarrow$ SLACK FOR THE PROJECT:

Slack = late finish - early finish
$\mathrm{A}=1-1=0$
$\mathrm{C}=8-8=0$
$\mathrm{D}=9-9=0$
$\mathrm{E}=13-13=0$ and so on all values comes zero so no slack

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