

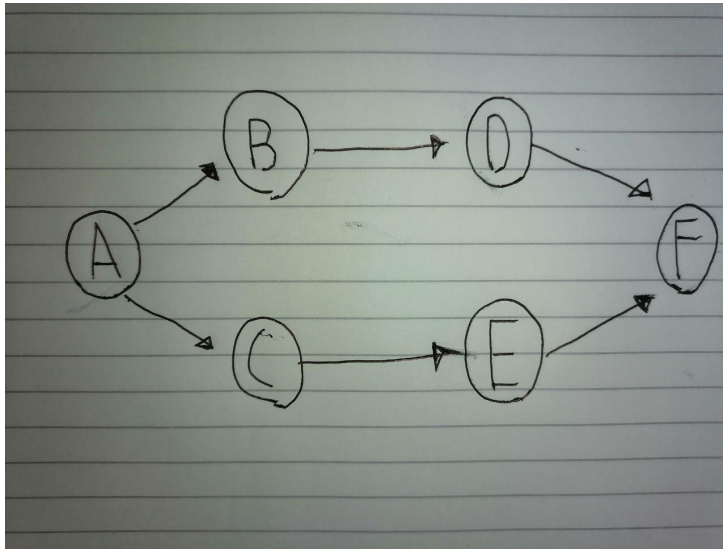
Assignment

Name: سراج الدين حسين احمد الترهوني Number: 2443 Group: A2

1. Develop a network diagram for the project specified below.
2. Identify the Critical Activities and the total duration of the project.
3. Justify which activity would you crash based on some rationale

Activities	predecessor	Duration (days)
A	-	5
B	A	4
C	A	5
D	B	6
E	C	3
F	D,E	4

Answer 1



Answer 2

The first path : **A → B → D → F**

the total duration of the path is 19 days. (the longest path)

The second path : **A → C → E → F**

the total duration of the path is 17 days.

The total duration of all paths is 27 days.

Answer 3

crash is number D

-it takes more time than the other activities . (6 days)

-Whereas (E) activity has takes only (3 days) and this allows more flexibility.