###### D:\Desktop\cyprus-ınternatıonal-unıversıty-cıu.jpgCYPRUS INTERNATIONAL UNIVERSITY

###### ENGINEERING FACULTY

Department of Industrial Engineering

**INDE/ISE 282 – Management for Engineers**

**Questions:**From the Text Book answer questions: 2.2, 2.5, 2.6,

**Format:** Write your answers to a word document where name of the file is your "**Student Number - Name**". Each question should be answered on a seperate page.

            e.g. 21801456 - Salem Goodday

**Due date:** 17-4-2020, Friday till 17:00

**By e-mail:**nkordal@ciu.edu.tr

**Homework 2 Question #4**

ASSA ABLOY SA is a company specializing in door opening solutions. The production line used to produce padlocks is a perfect example of a network system; the steps are shown in following table.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity** | **Predecessor** | **Duration (wks)** | **Es** | **Ef** | **Ls** | **Lf** | **Slack** |
| A | None | 2 |  |  |  |  |  |
| B | A | 1.5 |  |  |  |  |  |
| C | None | 3.5 |  |  |  |  |  |
| D | A,C | 1 |  |  |  |  |  |
| E | D | 1 |  |  |  |  |  |
| F | E | 2.5 |  |  |  |  |  |
| G | B | 1.5 |  |  |  |  |  |
| H | F,G | 2 |  |  |  |  |  |

1. Draw the *Project Network*.
2. Calculate Es,Ef, Ls, Lf and Slack values for each activity
3. *What is the total duration of the project*
4. *What is the Critical Path* for this project.