202223 BACHELOR IN BUSINESS ADMINISTRATION OPERATIONS MANAGEMENT. CONTINUOUS EVALUATION EXERCISE - LESSON 2

Name: _____   **Date**: _____

Group: OR   **LECTURER:** Emilio Camarena

We have gathered the following data in a project:

Activity	Predecessor	Normal time (weeks)	Minimum time (weeks)	Normal cost (euros)	Maximum cost (euros)
A	--	3	2	8000	10,000
B	--	2	1	6000	8000
C	B	3	2	5000	10,000
D	B	4	4	20,000	20,000
E	A	2	2	10,000	10,000
F	E,C	2	1	7000	10,000
G	D	1	1	10,000	10,000
H	G,F	5	4	3000	4000

1) Obtain the network for this project for the normal time (6.5 points).
2) Obtain the length (in weeks) of this project for the normal time (0.5 points).
3) Obtain activity slacks for the normal time (0.5 points).
4) Highlight in your network the critical path(s) for the normal time (0.5 points).
5) Reduce the project by one week, giving two options with the associated cost of each (2 points).