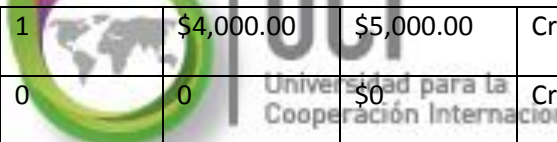# EXERCISE

SCHEDULE COMPRESSION

GENERAL OBJECTIVE

- Apply the schedule compression concepts.

CASE DESCRIPTION

There is a project, which consists of the eight activities, A, B, C, D, E, F, G and H. You are the project manager and the sponsor has requested to reduce the project schedule by two months. In this case, you follow the Integrated Change Control process and the Change Control Committee approves the change. The following chart summarizes the project information.

ACTIVITY	ORIGINAL DURATION (MONTHS)	CRASH DURATION (MONTHS)	ORIGINAL COST ($)	CRASH COST ($)	ACTIVITY TYPE (CRITICAL PATH OR NON-CRITICAL PATH)
Start	0	0	0	$0	Critical
A	15	14	$15,000.00	$18,000.00	Critical
B	8	6	$10,000.00	$12,000.00	Non-critical
C	5	4	$25,000.00	$30,000.00	Non critical
D	7	5	$5,000.00	$9,000.00	Critical
E	10	10	$12,000.00	$12,000.00	Critical
F	9	5	$7,000.00	$14,000.00	Non-critical
G	6	6	$8,000.00	$8,000.00	Non-critical

| H | 2 | 1 | | $4,000.00 | $5,000.00 | Critical |
| Finish | 0 | 0 | 0 | | $0 | Critical |

INSTRUCTIONS

Based on the information presented, answer the following questions:

1. Which activities would you reduce in order to shorten the schedule by two months?
2. What is the project's total cost including the compression cost for the selected option?
3. Explain the criteria used in order to select the activities.
4. Identify the main compression technique that is proposed in this example.

RULES AND CONSIDERATIONS

- The document must be presented in a .doc format. If needed, in order to support the calculations, you can submit additional files such as MSExcel. These files should be sent as a compressed file type (.zip or .rar). The file must be uploaded to the virtual campus in the specific location established for this purpose.
- The document must be a maximum of five pages in length.
- Questions related to this deliverable should be channeled through the Inquiries forum.