

### ANNEX: SCALE OF USE OF SOCIAL NETWORKS

Instructions:

This questionnaire refers to the application of social networks that the mining engineering student of UNASAM uses in their learning process of mathematics, in terms of low use, moderate use and excessive use.

There is no time limit to answer the questionnaire. There are also no right or wrong answers. It will be helpful as long as you are sincere in your answers.

Best describes what you usually think, choose the score from 1 to 5 that best describes you according to the following rating scale:

Affirmation	Never	Rarely	Sometimes	Almost always	Always
Scale	1	2	3	4	5
Abbreviation	N	R V	A V	C S	S

Respond to each of the statements by putting a check in the square that you consider to be the most correct.

N°	Statements	Scale				
		1	2	3	4	5
<b>Under use</b>						
01.	I can disconnect from social networks for several days.					
02.	I don't know what to do when I get disconnected from social media.					
03.	I think about what may be happening on social media.					
04.	I have little interest in social media.					
05.	I don't care if my cell phone has mobile data.					
<b>Moderate use</b>						
06.	Entering and using social networks gives me relief, it relaxes me.					
07.	Even when I develop other activities, I can't stop thinking about what happens on social networks.					
08.	I need more and more time to attend to my issues related to social networks.					
09.	The relationships you have established on social networks are more rewarding than those you have with the people around you.					
10.	I think that I should control my activity of connecting to social networks.					
<b>Excessive use</b>						
11.	I feel a great need to stay connected to social networks.					
12.	I need more and more time to attend to my issues related to social networks.					
13.	I spend a lot of time during the day connecting and disconnecting from social networks.					
14.	I neglect homework and studies because I am connected to social networks.					
15.	Even when I'm in class, I covertly connect to social networks.					

**MATHEMATICS LEARNING SCALE**

Instructions:

This questionnaire refers to the learning of mathematics by the mining engineering students of UNASAM, associated with the dimensions when it comes to conceptual content, procedural content and attitudinal content.

There is no time limit to answer the questionnaire. It will be helpful as long as you are sincere in your answers.

Best describes what you usually think, choose the score from 1 to 5 that best describes you according to the following rating scale:

Affirmation	Never	Rarely	Sometimes	Almost always	Always
Scale	1	2	3	4	5
Abbreviation	N	R V	A V	C S	S

Respond to each of the statements by putting a check in the square that you consider to be the most correct.

N°	Statements	Scale				
		1	2	3	4	5
<b>Conceptual contents</b>						
01.	Internalize mathematical definitions.					
02.	You recognize the mathematical properties.					
03.	Define relationships and functions.					
04.	Define limits and derivative.					
05.	Recognize indefinite and definite integrals.					
<b>Procedural contents</b>						
06	You have the ability to solve mathematical exercises.					
07	Ability to solve mathematical problems					
08	Apply knowledge of mathematics to make correct decision making.					
09	Analyze the difference between limit and derivative					
10	Differentiate an indefinite integral from a definite one.					
<b>Attitudinal contents</b>						
11	Motivated to identify, formulate and solve mathematical problems.					
12	Values the importance of mathematics in their academic work.					
13	Willingness to apply knowledge of mathematics in decision making.					
14	Evaluate the difference between limit and derivative.					
15	Evaluate the difference of the indefinite integral and the definite one.					