

Name: _____
Number of identification: _____

Exercise 1. We want to study the attitude of partner between 25 and 35 years old respect to having children. The following item has been studied by a group of 300 experts in one scale of 10 categories. The obtained results are the following:

Categories	1	2	3	4	5	6	7	8	9	10
Number of judges	5	10	15	30	20	10	60	100	30	20

Calculate if that item should take part of the final scale using the scaling method of apparently equal intervals (Thurstone). 1.5 points.

Exercise 2. Respect to the following table:

Subjects	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6
A	1	1	0	0	1	0
B	1	1	1	1	1	0
C	1	0	0	1	1	1
D	0	0	0	1	1	1
E	1	0	0	0	0	1

- Calculate index of difficulty and corrected index of difficulty of item 1 (Items have three options). 1 points.
- Interpret the obtained values. 0.5 points.

Exercise 3. Respect to the previous table, calculate the appropriate discrimination index of item 1 and interpret the obtained value. 1.5 points.

Exercise 4. Respect to the following table, calculate the appropriate discrimination index and interpret the obtained value. 1.5 points.

	A	B	C*
27% higher	3	32	65
46% intermediate	17	45	38
27% lower	44	31	25

Exercise 5. In the following table you have the answers of 4 people to 5 attitudes items. Calculate the corrected discrimination index of item 2 through Pearson correlation and interpret the obtained value. 2 points.

Subjects	Item 1	Item 2	Item 3	Item 4	Item 5
A	2	3	4	4	5
B	3	4	3	5	4
C	2	3	3	3	4
D	5	5	5	4	5