

EDP560 Test Construction Template

MULTIPLE-CHOICE TEST EXAMPLE:

Purpose

Approx. 1 paragraph describing purpose of the test including targeted audience and any relevant information related to test development.

Test Form

Include your instructions

Sample item:

1. What is the capital of Argentina? (Knowledge)
 - A. **Buenos Aires (Bold correct answer)** 59% (percent correct)
 - B. Mendoza 10%
 - C. El Chalten 12%
 - D. Santiago 19%

Discrimination: .34

2. etc., etc.,

At the end of the test provide mean overall percent correct for whole test: 79%

Item Analysis Summary

Provide a verbal summary of your item analysis results (e.g., items with poor discrimination, overall test difficulty, etc.).

Overall Summary

Describe the process in a holistic fashion. What did you learn? What would you do differently if you were to try this again? How effective/useful was your test?

Item Analysis Tally Sheet

Include your tally sheet for the item analysis. It could look something like this:

Item # 1	A	B	C	D	Total
Upper Third	0	5	0	0	5
Lower Third	0	5	0	0	5
Total	0	10	0	0	10
Item Difficulty: 15/15 (100%)					
Item Discrimination: 0					

Item # 2	A	B	C	D	Total
Upper Third	0	1	4	0	5
Lower Third	0	3	2	0	5
Total	0	4	6	0	10
Item Difficulty: 10/15 (67%)					
Item Discrimination: 2/5, .4					

LIKERT SCALE EXAMPLE:

Purpose

Approx. 1 paragraph describing purpose of the test including targeted audience and any relevant information related to test development.

Items

Include Directions Here

<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Slightly Disagree</i>	<i>Slightly Agree</i>	<i>Agree</i>	<i>Strongly Agree</i>
1	2	3	4	5	6

- _____ 1. It is important for me to learn something new everyday (T).
- _____ 2. I am not content unless I am learning something new (T)
- _____ 3. I seek out new experiences that help me learn about the world around me (E)

Scoring

To score this scale, first reverse code the 4 items marked with (R). Then, simply sum the responses to generate the total score. Sub-section scores can be produced by summing the items marked (T), (E), and (C) separately.

Alpha and Descriptive Statistics

Provide the means, standard deviations, and coefficient alphas for all traits/factors and overall.

	# of items	Mean (SD)	Coefficient alpha
Engagement (E)	7	3.45 (1.32)	0.85
Inquiry Learning (I)	10	4.27 (0.73)	0.72
Controls (C)	4	2.71 (1.53)	0.90
Overall	20	3.48 (1.19)	0.91

Intercorrelations for each trait/factor

Complete one matrix for each trait/factor

Intercorrelations for Engagement (E)

	(1)	(2)	(3)	(4)	(5)	(6)
(1) Item 4	1					
(2) Item 5	.264	1				
(3) Item 7	.573**	.597**	1			
(4) Item 11	-.299	.173	-.008	1		
(5) Item 13	.722**	.171	.632**	-.182	1	
(6) Item 16	.865**	.303	.657**	-.058	.770**	1
(7) Item 17	.765**	.221	.607**	-.042	.638**	.893**

Optional to include this:

Engagement (E)

Improved reliability if item deleted:

- Item 5: 0.86
- Item 11: 0.90

Validity and Reliability

Include a discussion here of what evidences for reliability and validity would be required in order to establishing sound measurement qualities with this instrument.

Overall Summary

Describe the process in a holistic fashion. What did you learn? What would you do differently if you were to try this again? How effective/useful was your test?