

ITEM ANALYSIS for keyed score: MidTerm1

Item	Mean	StDev	Difficulty	Discrimination	Weight	Means	Frequencies	Distribution	
1	1.00	0.00	100-Easy	0.00-Poor	B	1.00	73.90	10 100.0%	
2	1.00	0.00	100-Easy	0.00-Poor	A	1.00	73.90	10 100.0%	
3	0.50	0.50	50-Medium	-0.36-Poor	A	0.00	77.80	5 50.0%	
					B	1.00	71.00	5 50.0%	
4	0.80	0.40	80-Medium	0.06-Poor	A	0.00	73.00	2 20.0%	
					B	1.00	74.38	8 80.0%	
5	1.00	0.00	100-Easy	0.00-Poor	A	1.00	73.90	10 100.0%	
6	1.00	0.00	100-Easy	0.00-Poor	A	1.00	73.90	10 100.0%	
7	0.90	0.30	90-Easy	-0.32-Poor	A	0.00	83.00	1 10.0%	
					B	1.00	73.00	9 90.0%	
8	1.00	0.00	100-Easy	0.00-Poor	A	1.00	73.90	10 100.0%	
9	0.70	0.46	70-Medium	0.40-Good	A	0.00	68.67	3 30.0%	
					B	1.00	76.57	7 70.0%	
10	1.00	0.00	100-Easy	0.00-Poor	A	1.00	73.90	10 100.0%	
11	1.00	0.00	100-Easy	0.00-Poor	A	1.00	73.90	10 100.0%	
12	0.60	0.49	60-Medium	-0.43-Poor	A	0.00	79.25	4 40.0%	
					B	1.00	71.00	6 60.0%	
13	1.00	0.00	100-Easy	0.00-Poor	A	1.00	73.90	10 100.0%	
14	0.90	0.30	90-Easy	0.07-Poor	A	0.00	72.00	1 10.0%	
					B	1.00	74.22	9 90.0%	
15	0.70	0.46	70-Medium	0.62-Good	A	1.00	77.86	7 70.0%	
					B	0.00	65.67	3 30.0%	
16	0.90	0.30	90-Easy	-0.32-Poor	A	1.00	73.00	9 90.0%	
					B	0.00	83.00	1 10.0%	
17	0.80	0.40	80-Medium	0.03-Poor	A	0.00	85.00	1 10.0%	
					B	1.00	74.25	8 80.0%	
					omit	0.00	62.00	1 10.0%	
18	0.40	0.49	40-Hard	-0.22-Poor	A	0.00	76.17	6 60.0%	
					B	1.00	72.00	4 40.0%	
19	0.90	0.30	90-Easy	-0.07-Poor	A	0.00	76.00	1 10.0%	
					B	1.00	73.78	9 90.0%	
20	1.00	0.00	100-Easy	0.00-Poor	A	1.00	73.90	10 100.0%	
21	1.60	0.80	80-Medium	0.13-Fair	A	2.00	73.88	8 80.0%	
					E	0.00	71.00	2 20.0%	
22	0.60	0.92	30-Hard	-0.38-Poor	A	0.00	79.67	6 60.0%	
					B	2.00	68.67	3 30.0%	
					E	0.00	59.00	1 10.0%	
23	1.80	0.60	90-Easy	-0.28-Poor	B	0.00	81.00	1 10.0%	
					C	2.00	72.22	9 90.0%	
24	1.60	0.80	80-Medium	0.55-Good	A	2.00	75.75	8 80.0%	
					E	0.00	63.50	2 20.0%	
25	2.00	0.00	100-Easy	0.00-Poor	C	2.00	72.90	10 100.0%	
26	2.00	0.00	100-Easy	0.00-Poor	C	2.00	72.90	10 100.0%	
27	1.80	0.60	90-Easy	0.41-Good	B	0.00	62.00	1 10.0%	
					D	2.00	74.33	9 90.0%	

Score: MidTerm1

Reliability: 0.71

Standard error of measurement: 4.98

Discrimination	Difficulty	Questions		
	Hard (0 - 50)	Medium (50 - 85)	Easy (85 - 100)	
Poor (< 0.1)	50	9, 15, 24, 28, 29, 36, 37, 40, 45, 48, 51, 58, 59	27, 30, 32, 49, 55, 57, 60	
Fair (0.1 - 0.3)		21, 38, 41, 47, 54		
Good (> 0.3)	18, 22, 33, 35, 46	3, 4, 12, 17, 31, 34, 39, 44, 52	1, 2, 5, 6, 7, 8, 10, 11, 13, 14, 16, 19, 20, 23, 25, 26, 42, 43, 53, 56	

Reliability coefficient alpha - a measure of the internal consistency of the exam. This statistic ranges from 0 to 1.00, and the higher the value the better.

Standard error of measurement a measure of accuracy of individual student scores. The smaller the number, the more accurate the measurement.

Difficulty the percentage of students answering the question correctly. In cases of more complex weighting, it is the percentage of points gained divided by the total points.

Discrimination the correlation of responses to individual items with overall test score. The higher the correlation, the more the item results are consistent with the test as a whole.

Note: The division among Hard, Medium, and Easy levels of difficulty and Good, Fair, and Poor levels of discrimination are somewhat arbitrary. The underlying variables are continuous.