

Condensed Test Report

Legend: Distractors Chosen More than Correct Answer: ■

Total Possible Points:	25	Median Score:	20.50	Maximum Score:	25
Total Students:	24	Mean Score:	18.71	Minimum Score:	3
Standard Deviation:	5.10	Reliability Coefficient (KR20):	0.89	Range of Scores:	22

No.	Question	Correct Answer	Response Frequencies					Non Distractor	Correct Group Responses			Point Biserial
			A	B	C	D	E		Total %	Upper 27%	Lower 27%	
1	Question1	C	20.83	0.00	79.17	0.00	0.00	BDE	79.17	100.00	33.33	0.33
2	Question2	B	4.17	91.67	4.17	0.00	0.00	DE	91.67	100.00	66.67	0.78
3	Question3	B	12.50	87.50	0.00	0.00	0.00	CDE	87.50	100.00	66.67	0.67
4	Question4	A	95.83	0.00	4.17	0.00	0.00	BDE	95.83	100.00	83.33	0.64
5	Question5	C	0.00	20.83	79.17	0.00	0.00	ADE	79.17	100.00	50.00	0.59
6	Question6	C	0.00	33.33	66.67	0.00	0.00	ADE	66.67	83.33	50.00	0.43
7	Question7	D	0.00	8.33	0.00	91.67	0.00	ACE	91.67	100.00	66.67	0.57
8	Question8	C	0.00	8.33	91.67	0.00	0.00	ADE	91.67	100.00	66.67	0.63
9	Question9	D	0.00	0.00	0.00	100.00	0.00	ABCE	100.00	100.00	100.00	-
10	Question10	A	70.83	4.17	0.00	25.00	0.00	CE	70.83	100.00	50.00	0.47
11	Question11	D	0.00	50.00	12.50	37.50	0.00	AE	37.50	66.67	16.67	0.43
12	Question12	B	12.50	83.33	4.17	0.00	0.00	DE	83.33	100.00	33.33	0.74
13	Question13	B	0.00	83.33	16.67	0.00	0.00	ADE	83.33	100.00	50.00	0.37
14	Question14	B	4.17	62.50	33.33	0.00	0.00	DE	62.50	83.33	33.33	0.43
15	Question15	A	66.67	33.33	0.00	0.00	0.00	CDE	66.67	100.00	0.00	0.72
16	Question16	B	0.00	50.00	50.00	0.00	0.00	ADE	50.00	66.67	16.67	0.33
17	Question17	D	0.00	45.83	8.33	45.83	0.00	AE	45.83	83.33	16.67	0.46
18	Question18	D	12.50	0.00	0.00	87.50	0.00	BCE	87.50	100.00	66.67	0.55
19	Question19	B	25.00	20.83	29.17	25.00	0.00	E	20.83	66.67	0.00	0.43
20	Question20	A	83.33	0.00	16.67	0.00	0.00	BDE	83.33	100.00	50.00	0.65

New Terminology from Left to Right:

- **Standard Deviation** measures the dispersion of student scores on that item
- **Reliability Coefficient Kuder Richardson (KR) 20** assesses how well the test is actually measuring what you need it to. With KR20, you're looking at a range of 0-1, where 0 is no reliability and 1 is perfect reliability. The closer the score to 1, the more reliable the test.
- For those who are used to the previously-produced Item Analysis, **Total %** is your difficulty factor, just worded more simply. This measures the percent of students who selected the correct answer.
- **Non Distractor** features alternate answers that no students selected
- **Point Biserial** measures how well the students did on each question, compared to the other questions on the exam

Other resources regarding Item Analysis:

- <http://www.washington.edu/assessment/scanning-scoring/scoring/reports/item-analysis/>
- <http://www.k-state.edu/ksde/alp/resources/Glossary-Module2.pdf>