Remark Test Scoring Reports

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Test Analysis Report

Overall Test Statistics

Students
41

Low Score	Mean (Average) Score	Median Score	High Score
37.50%	**64.79%**	**10.00**	**87.50%**
1; 25; 28			2; 21; 36; 38; 40; 41

Test Reliability

Cronbach Alpha Score
0.64

Poor	Fair	Good	Excellent
0.00 - 0.69	**0.70 - 0.79**	**0.80 - 0.89**	**0.90 - 0.99**

The Cronbach Alpha statistic is used to measure the internal consistency (reliability) of the test.

Hardest Questions		Easiest Questions	
Q14	0.00%	Q25	100.00%
Q11	34.15%	Q12	95.12%
Q3	41.46%	Q7	95.12%
Q10	48.78%	Q13	92.68%
Q15	48.78%	Q4	85.37%
Q2	51.22%	Q1	82.93%
Q5	53.66%	Q8	78.05%
Q6	63.41%	Q9	65.85%
Q9	65.85%	Q6	63.41%
Q8	78.05%	Q5	53.66%
Based on percentage of students who answered correctly.		Based on percentage of students who answered correctly.	

Questions to Review

Questions with distractors selected more than the correct answer:
Q11, Q14
Questions with poor discrimination (point biserial < 0.20):
Q7, Q11, Q12


101

Student Statistics Report

Overall   Class Average: 64.79%

Student	Grade	Total	Percent
1	F	6 / 16	37.50
2	B	14 / 16	87.50
3	F	9 / 16	56.25
4	F	9 / 16	56.25
5	F	8 / 16	50.00
6	D	10 / 16	62.50
7	F	8 / 16	50.00
8	C	12 / 16	75.00
9	D	10 / 16	62.50
10	F	7 / 16	43.75
11	B	13 / 16	81.25
12	F	7 / 16	43.75
13	C	12 / 16	75.00
14	C	12 / 16	75.00
15	D	11 / 16	68.75
16	B	13 / 16	81.25
17	F	8 / 16	50.00
18	D	11 / 16	68.75
19	B	13 / 16	81.25
20	B	13 / 16	81.25
21	B	14 / 16	87.50
22	F	7 / 16	43.75
23	C	12 / 16	75.00
24	F	9 / 16	56.25
25	F	6 / 16	37.50
26	F	9 / 16	56.25
27	F	8 / 16	50.00
28	F	6 / 16	37.50
29	D	11 / 16	68.75
30	D	10 / 16	62.50
31	F	9 / 16	56.25
32	C	12 / 16	75.00

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Class Frequency Distribution Report

Overall				Mean Score: 64.79%
Grade	Percent Score	Raw Score	Frequency	Percent
A	90.00 - 100.00	14.40 - 16.00	0	0.00
B	80.00 - 89.99	12.80 - 14.39	11	26.83
C	70.00 - 79.99	11.20 - 12.79	5	12.20
D	60.00 - 69.99	9.60 - 11.19	7	17.07
F	0.00 - 59.99	0.00 - 9.59	18	43.90

104
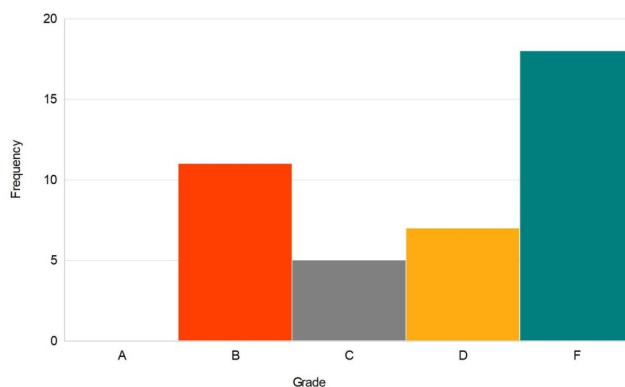
Student Score Histogram Report

Total Possible Points:	16	Median Score:	10	Maximum Score:	14
Total Students:	41	Mean Score:	10.37	Minimum Score:	6
Standard Deviation:	2.51	Reliability Coefficient (KR20):	0.64	Range of Scores:	8

Overall	Mean Score: 64.79%

105
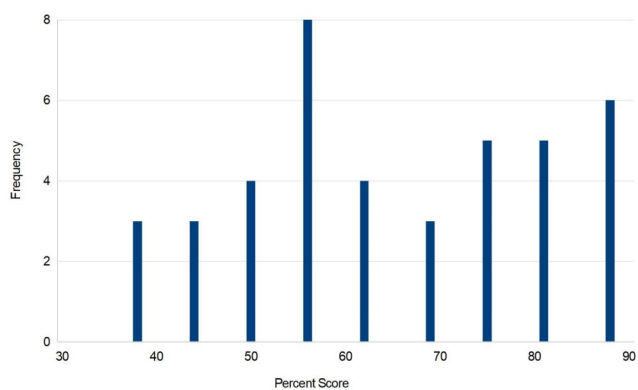
Student Response Report

Legend: Correct: ▮ Incorrect: ▮ Partial Credit: ▯ Unanswered or Other Incorrect Response: ☐ Multiple Responses: *

Students:	Total Score	Percent Score	Grade	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q25
Answer Key:	16	100.00		A	D	D	E	E	A	B	C	B	C	B	B	E	E	A	B|C
1	6	37.50	F	B	D	E	C	D	B	B	D	D	C	E	B	E	B		
2	14	87.50	B	A	D	E	E	E	A	B	C	B	C	E	B	B	E	A	B
3	9	56.25	F	D	C	E	E	E	A	B	C	B	B	B	B	E	C	D	B
4	9	56.25	F	A	C	D	E	D	A	B	C	E	D	B	E	C	C	B	
5	8	50.00	F	A	A	B	E	A	D	B	C	C	A	D	B	E	C	A	B
6	10	62.50	D	A	C	E	E	E	A	B	C	B	D	D	B	E	C	B	
7	8	50.00	F	A	C	E	E	B	C	B	C	C	C	B	A	D	E	B	
8	12	75.00	C	A	D	E	C	A	B	C	B	C	E	B	E	B	A	B	
9	10	62.50	D	A	C	D	E	D	B	C	B	D	D	B	E	C	D	B	
10	7	43.75	F	A	C	B	C	C	D	B	C	C	B	B	E	C	C	B	
11	13	81.25	B	A	D	E	E	E	A	B	C	B	C	B	E	C	A	B	
12	7	43.75	F	A	D	B	D	B	D	B	B	C	A	B	B	E	C	B	
13	12	75.00	C	A	D	E	E	A	B	B	C	B	C	D	B	E	D	A	B
14	12	75.00	C	B	D	D	E	E	A	B	C	B	C	C	D	B	E	B	☐
15	11	68.75	D	A	C	E	E	E	A	B	C	B	C	C	B	B	E	C	B
16	13	81.25	B	A	D	D	E	E	A	B	C	B	E	B	A	E	C	A	B
17	8	50.00	F	C	B	D	E	A	A	B	C	D	A	D	B	E	C	D	B
18	11	68.75	D	A	D	D	E	E	D	B	C	C	C	D	B	C	D	E	B
19	13	81.25	B	A	D	E	E	A	B	C	B	C	B	C	D	B	E	A	B
20	13	81.25	B	A	D	E	E	A	B	C	B	C	B	C	D	B	E	C	A	B
21	14	87.50	B	A	D	D	E	A	B	C	B	C	E	B	E	B	A	B	
22	7	43.75	F	B	B	B	C	E	B	C	B	A	B	B	E	D	E	B	
23	12	75.00	C	A	D	D	E	A	A	B	C	D	C	D	B	E	C	B	
24	9	56.25	F	A	B	B	E	D	A	B	C	E	E	D	B	E	B	A	C
25	6	37.50	F	A	B	B	E	B	E	B	D	C	C	B	B	D	C	C	
26	9	56.25	F	B	C	D	E	B	A	B	C	E	A	B	B	E	D	C	C

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Student Achievement Report

9

Objectives	Percent	
Overall	62.50	-2.29

8

Objectives	Percent	
Overall	75.00	10.21

7

Objectives	Percent	
Overall	50.00	-14.79

6

Objectives	Percent	
Overall	62.50	-2.29

5

Objectives	Percent	
Overall	50.00	-14.79

41

Objectives	Percent	
Overall	87.50	22.71

40

Objectives	Percent	
Overall	87.50	22.71

4

Objectives	Percent	
Overall	56.25	-8.54

39

Objectives	Percent	
Overall	62.50	-2.29

38

Objectives	Percent	
Overall	87.50	22.71

37

Objectives	Percent	
Overall	56.25	-8.54

Student Response Similarities Report

Students: 2 / 19   **Similar Responses: 93.75%**

Students	Objective Score	Correct Similar	Incorrect Similar	Number Different
2	87.50	13	2	1
19	81.25			

Students: 11 / 19   **Similar Responses: 93.75%**

Students	Objective Score	Correct Similar	Incorrect Similar	Number Different
11	81.25	12	3	1
19	81.25			

Students: 11 / 36   **Similar Responses: 93.75%**

Students	Objective Score	Correct Similar	Incorrect Similar	Number Different
11	81.25	13	2	1
36	87.50			

Students: 11 / 38   **Similar Responses: 93.75%**

Students	Objective Score	Correct Similar	Incorrect Similar	Number Different
11	81.25	13	2	1
38	87.50			

Students: 11 / 40   **Similar Responses: 93.75%**

Students	Objective Score	Correct Similar	Incorrect Similar	Number Different
11	81.25	13	2	1
40	87.50			

Students: 13 / 19   **Similar Responses: 93.75%**

Students	Objective Score	Correct Similar	Incorrect Similar	Number Different
13	75.00	12	3	1
19	81.25			

Students: 19 / 20   **Similar Responses: 93.75%**

Students	Objective Score	Correct Similar	Incorrect Similar	Number Different
19	81.25	13	2	1
20	81.25			

Students: 34 / 41   **Similar Responses: 93.75%**

Students	Objective Score	Correct Similar	Incorrect Similar	Number Different
34	81.25	13	2	1
41	87.50			

Incorrect Response Report

Q1   **Percent Correct: 82.93%**

Response	Students Answering Incorrectly
B	1, 14, 22, 26
C	17, 28
D	3
E	

Q2   **Percent Correct: 51.22%**

Response	Students Answering Incorrectly
A	5
B	17, 22, 24, 25, 27, 37, 39
C	3, 4, 6, 7, 9, 10, 15, 26, 30, 32, 33, 35
E	

Q3   **Percent Correct: 41.46%**

Response	Students Answering Incorrectly
A	
B	5, 10, 12, 22, 24, 25, 27, 31, 37
C	33
E	1, 2, 3, 6, 7, 8, 11, 13, 15, 19, 20, 28, 29, 35

Q4   **Percent Correct: 85.37%**

Response	Students Answering Incorrectly
A	
B	22
C	10, 28, 33
D	12, 31

Q5   **Percent Correct: 53.66%**

Response	Students Answering Incorrectly
A	5, 17, 23, 31, 39
B	7, 12, 25, 26, 35
C	1, 8, 10, 22, 28, 33
D	4, 24, 30

Q6   **Percent Correct: 63.41%**

Response	Students Answering Incorrectly
B	
C	7, 31
D	1, 5, 9, 10, 12, 18, 27, 33, 34, 35
E	22, 25, 28

201
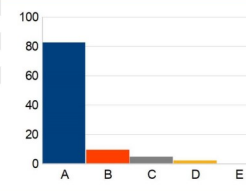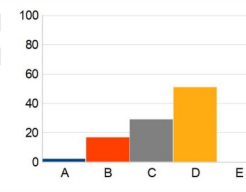
Detailed Item Analysis Report

Q1

Response	Frequency	Percent	Point Biserial	Graph
*A	34	82.93	0.40	
B	4	9.76	-0.24	
C	2	4.88	-0.30	
D	1	2.44	-0.09	
E	0	0.00	-	
Total	41	100.00		

Q2

Response	Frequency	Percent	Point Biserial	Graph
A	1	2.44	-0.15	
B	7	17.07	-0.40	
C	12	29.27	-0.24	
*D	21	51.22	0.57	
E	0	0.00	-	
Total	41	100.00		

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Item Analysis Graph Report

Q1
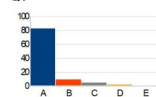
Response	Percent
A	82.93
B	9.76
C	4.88
D	2.44
E	0.00

Correct: A

Q2
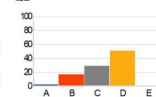
Response	Percent
A	2.44
B	17.07
C	29.27
D	51.22
E	0.00

Correct: D

Q3
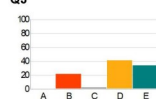
Response	Percent
A	0.00
B	21.95
C	2.44
D	41.46
E	34.15

Correct: D

Q4
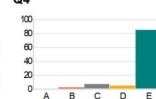
Response	Percent
A	0.00
B	2.44
C	7.32
D	4.88
E	85.37

Correct: E

Q5
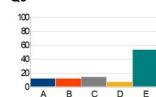
Response	Percent
A	12.20
B	12.20
C	14.63
D	7.32
E	53.66

Correct: E

Q6
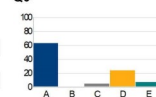
Response	Percent
A	63.41
B	0.00
C	4.88
D	24.39
E	7.32

Correct: A

Q7
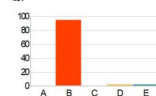
Response	Percent
A	0.00
B	95.12
C	0.00
D	2.44
E	2.44

Correct: B

Q8
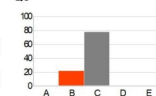
Response	Percent
A	0.00
B	21.95
C	78.05
D	0.00
E	0.00

Correct: C

Q9
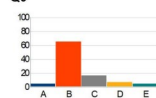
Response	Percent
A	4.88
B	65.85
C	17.07
D	7.32
E	4.88

Correct: B

Q10
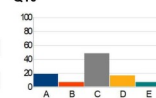
Response	Percent
A	19.51
B	7.32
C	48.78
D	17.07
E	7.32

Correct: C

Condensed Item Analysis Report

Legend: Correct: 🟩 Incorrect: 🟥 Distractors Chosen More than Correct Answer: 🟨 Changed Answer: ⬜

Q1

Response	Frequency	Percent	
* A	34	82.93	🟩
B	4	9.76	🟥
C	2	4.88	🟥
D	1	2.44	
E	0	0.00	

Q2

Response	Frequency	Percent	
A	1	2.44	
B	7	17.07	🟥
C	12	29.27	🟥
* D	21	51.22	🟩
E	0	0.00	

Q3

Response	Frequency	Percent	
A	0	0.00	
B	9	21.95	🟥
C	1	2.44	
* D	17	41.46	🟩
E	14	34.15	🟥

Q4

Response	Frequency	Percent	
A	0	0.00	
B	1	2.44	
C	3	7.32	
D	2	4.88	
* E	35	85.37	🟩

Q5

Response	Frequency	Percent	
A	5	12.20	🟥
B	5	12.20	🟥
C	6	14.63	🟥
D	3	7.32	
* E	22	53.66	🟩

Q6

Response	Frequency	Percent	
* A	26	63.41	🟩
B	0	0.00	
C	2	4.88	🟥
D	10	24.39	🟥
E	3	7.32	🟥

Q7

Response	Frequency	Percent	
A	0	0.00	
* B	39	95.12	🟩
C	0	0.00	
D	1	2.44	
E	1	2.44	

Q8

Response	Frequency	Percent	
A	0	0.00	
B	9	21.95	🟥
* C	32	78.05	🟩
D	0	0.00	
E	0	0.00	

Q9

Response	Frequency	Percent	
A	2	4.88	🟥
* B	27	65.85	🟩
C	7	17.07	🟥
D	3	7.32	🟥
E	2	4.88	🟥

Q10

Response	Frequency	Percent	
A	8	19.51	🟥
B	3	7.32	
* C	20	48.78	🟩
D	7	17.07	🟥
E	3	7.32	

Condensed Test Report

Legend: Distractors Chosen More than Correct Answer: 🟥

Total Possible Points:	16	Median Score:	10	Maximum Score:	14
Total Students:	41	Mean Score:	10.37	Minimum Score:	6
Standard Deviation:	2.51	Reliability Coefficient (KR20):	0.64	Range of Scores:	8

No.	Question	Correct Answer	Response Frequencies					Non Distractor	Correct Group Responses			Point Biserial
			A	B	C	D	E		Total %	Upper 27%	Lower 27%	
1	Q1	A	82.93	9.76	4.88	2.44	0.00	E	82.93	100.00	54.55	0.40
2	Q2	D	2.44	17.07	29.27	51.22	0.00	E	51.22	100.00	27.27	0.57
3	Q3	D	0.00	21.95	2.44	41.46	34.15	A	41.46	63.64	9.09	0.45
4	Q4	E	0.00	2.44	7.32	4.88	85.37	A	85.37	100.00	63.64	0.47
5	Q5	E	12.20	12.20	14.63	7.32	53.66		53.66	100.00	18.18	0.70
6	Q6	A	63.41	0.00	4.88	24.39	7.32	B	63.41	90.91	18.18	0.64
7	Q7	B	0.00	95.12	0.00	2.44	2.44	AC	95.12	100.00	90.91	0.17
8	Q8	C	0.00	21.95	78.05	0.00	0.00	ADE	78.05	100.00	54.55	0.38
9	Q9	B	4.88	65.85	17.07	7.32	4.88		65.85	100.00	27.27	0.58
10	Q10	C	19.51	7.32	48.78	17.07	7.32		48.78	90.91	27.27	0.56
11	Q11	B	0.00	34.15	4.88	56.10	4.88	A	34.15	18.18	45.45	-0.27
12	Q12	B	2.44	95.12	2.44	0.00	0.00	DE	95.12	90.91	90.91	0.08
13	Q13	E	2.44	2.44	2.44	0.00	92.68	D	92.68	100.00	72.73	0.41
14	Q14	E	0.00	12.20	46.34	41.46	0.00	A	0.00	0.00	0.00	-
15	Q15	A	48.78	14.63	12.20	14.63	7.32		48.78	100.00	27.27	0.56
16	Q25	B|C	0.00	51.22	48.78	0.00	0.00	ADE	100.00	100.00	100.00	-

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Test Statistics Report

	Overall
Score Data	
Number of Graded Items	16
Total Points Possible	16
Maximum Score	14
Minimum Score	6
Statistics	
Mean Score	10.37
Mean Percent Score	64.79
Benchmark	-
Range of Scores	8
Standard Deviation	2.51
Variance	6.28
Percentiles	
Percentile (25)	8.50
Median Score	10
Percentile (75)	13
Inter Quartile Range	4.50
Confidence Intervals	
95%	9.57 - 11.16
99%	9.31 - 11.42
Test Reliability	
Kuder-Richardson Formula 20	0.64
Kuder-Richardson Formula 21	0.45
Coefficient (Cronbach) Alpha	0.64
Standard Error of Measurement	1.51

320

Test Item Statistics Report

Question	Points	Graded	Correct	Incorrect	Missing	Point Biserial	Percent Correct	
Q1	1	41	34	7	0	0.40	82.93	
Q2	1	41	21	20	0	0.57	51.22	
Q3	1	41	17	24	0	0.45	41.46	
Q4	1	41	35	6	0	0.47	85.37	
Q5	1	41	22	19	0	0.70	53.66	
Q6	1	41	26	15	0	0.64	63.41	
Q7	1	41	39	2	0	0.17	95.12	
Q8	1	41	32	9	0	0.38	78.05	
Q9	1	41	27	14	0	0.58	65.85	
Q10	1	41	20	21	0	0.56	48.78	
Q11	1	41	14	27	0	-0.27	34.15	
Q12	1	41	39	2	0	0.08	95.12	
Q13	1	41	38	3	0	0.41	92.68	
Q14	1	41	0	41	0	-	0.00	
Q15	1	41	20	20	1	0.56	48.78	
Q25	1	41	41	0	0	-	100.00	

Student Grade Report

Legend: Incorrect: ☐ Partial Credit: ☐

Student:

	Total Score	Score (%)	
Overall	12 / 16	75.00	

Responses

Question	Response	Correct Answer	Question	Response	Correct Answer	Question	Response	Correct Answer
Q1	D		Q7	D		Q13	C	
Q2	E		Q8	B		Q14	C	B
Q3	B		Q9	A		Q15	E	
Q4	D	A	Q10	D		Q25	D	
Q5	C	D	Q11	E				
Q6	A		Q12	B	C			

UNIVERSITY OF WISCONSIN - STEVENS POINT
V2 - GENERAL PURPOSE ANSWER SHEET

INSTRUCTIONS

EXAMPLE

- Use pencil or black pen only
- Do not make any stray marks
- Mark all responses dark and complete as shown in this example
- Write your name and enter your identification number below if you are requested to do so
- Do not make any stray marks in this area

WRONG
WRONG
WRONG
RIGHT

Name

Class

Instructor

ID Number   Special Code

-- SIDE A --

-- SIDE B --