

Student Statistics Report

FINAL EXAM

Overall

Class Average: 83.58%

Student	Total	Percent	Correct	Incorrect	Missing
	59 / 75	78.67	59	16	0
	63 / 75	84.00	63	12	0
	66 / 75	88.00	66	9	0
	55 / 75	73.33	55	20	0
	62 / 75	82.67	62	13	0
	59 / 75	78.67	59	16	0
	65 / 75	86.67	65	10	0
	65 / 75	86.67	65	10	0
	64 / 75	85.33	64	11	0
	72 / 75	96.00	72	3	0
	66 / 75	88.00	66	9	0
	61 / 75	81.33	61	14	0
	55 / 75	73.33	55	18	2
	64 / 75	85.33	64	11	0
	62 / 75	82.67	62	13	0
	59 / 75	78.67	59	16	0
	71 / 75	94.67	71	4	0
	62 / 75	82.67	62	13	0
	55 / 75	73.33	55	20	0
	67 / 75	89.33	67	8	0
	72 / 75	96.00	72	3	0
	68 / 75	90.67	68	7	0
	70 / 75	93.33	70	5	0
	67 / 75	89.33	67	8	0
	64 / 75	85.33	64	11	0
	64 / 75	85.33	64	11	0
	68 / 75	90.67	68	7	0
	67 / 75	89.33	67	8	0
	67 / 75	89.33	67	8	0
	46 / 75	61.33	46	29	0
	63 / 75	84.00	63	12	0
	61 / 75	81.33	61	14	0
	70 / 75	93.33	70	5	0
	56 / 75	74.67	56	18	1
	67 / 75	89.33	67	8	0
	66 / 75	88.00	66	9	0
	68 / 75	90.67	68	7	0
	66 / 75	88.00	66	9	0
	58 / 75	77.33	58	17	0
	64 / 75	85.33	64	11	0

Student Statistics Report

FINAL EXAM

	60 / 75	80.00	60	15	0
	68 / 75	90.67	68	7	0
	61 / 75	81.33	61	14	0
	66 / 75	88.00	66	9	0
	64 / 75	85.33	64	11	0
	67 / 75	89.33	67	8	0
	66 / 75	88.00	66	9	0
	50 / 75	66.67	50	25	0
	49 / 75	65.33	49	26	0
	66 / 75	88.00	66	9	0
	70 / 75	93.33	70	5	0
	69 / 75	92.00	69	6	0
	53 / 75	70.67	53	22	0
	66 / 75	88.00	66	9	0
	66 / 75	88.00	66	9	0
	58 / 75	77.33	58	17	0
	65 / 75	86.67	65	10	0
	67 / 75	89.33	67	8	0
	66 / 75	88.00	66	9	0
	58 / 75	77.33	58	17	0
	57 / 75	76.00	57	18	0
	41 / 75	54.67	41	34	0
	49 / 75	65.33	49	26	0
	66 / 75	88.00	66	9	0
Mean	62.69	83.58	62.69	12.27	0.05

Class Frequency Distribution Report

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FINAL EXAM

Overall

Mean Score: 83.58%

Percent Score	Raw Score	Frequency	Percent
90.00 - 100.00	67.50 - 75.00	11	17.19
80.00 - 89.99	60.00 - 67.49	36	56.25
70.00 - 79.99	52.50 - 59.99	12	18.75
60.00 - 69.99	45.00 - 52.49	4	6.25
0.00 - 59.99	0.00 - 44.99	1	1.56

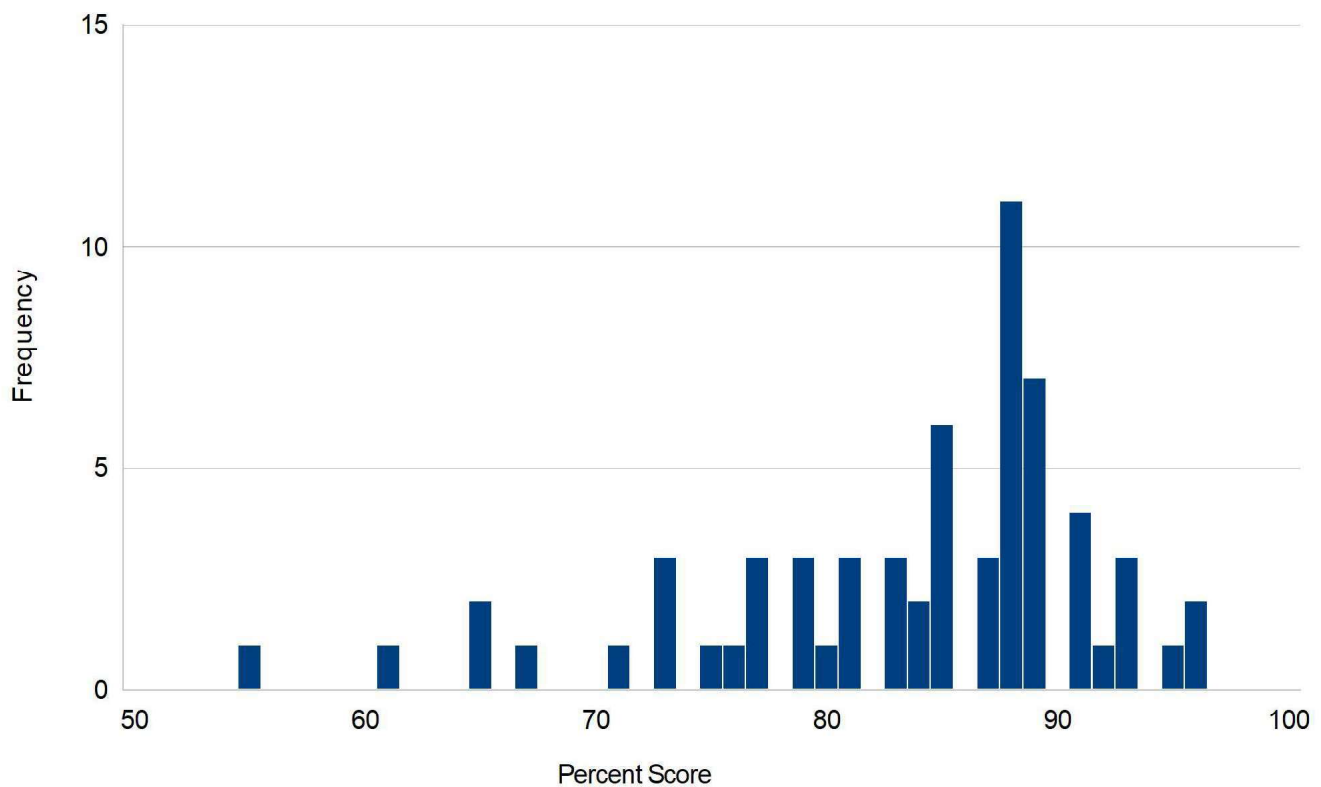
Student Score Histogram Report

FINAL EXAM

Total Possible Points:	75	Median Score:	64.50	Maximum Score:	72
Total Students:	64	Mean Score:	62.69	Minimum Score:	41
Standard Deviation:	6.36	Reliability Coefficient (KR20):	0.79	Range of Scores:	31

Overall

Mean Score: 83.58%



Student Response Report

FINAL EXAM

Legend: Correct: ■ Incorrect: ■ Partial Credit: ■ Unanswered or Other Incorrect Response: ■ Multiple Responses: ■

Version: XXXXXXXXXX

Students:	Total Score	Percent Score	Question1	Question2	Question3	Question4	Question5	Question6	Question7	Question8	Question9	Question10	Question11	Question12	Question13	Question14	Question15	Question16	Question17	Question18	Question19	Question20	Question21	Question22	Question23	Question24	Question25
Answer Key:	75	100.00	2	1	1	2	1	1	2	2	2	1	2	1	3	1	1	2	1	3	5	2	5	4	3	4	5
	59	78.67	2	1	1	1	1	2	2	1	1	1	1	5	1	1	2	1	3	5	2	1	4	3	5	5	
	55	73.33	2	1	2	2	1	2	2	1	2	3	1	2	5	1	2	1	3	5	1	5	4	3	2	5	
	62	82.67	2	1	2	1	1	2	1	2	2	2	1	3	1	1	5	1	3	5	2	5	4	3	4	5	
	59	78.67	2	1	1	2	1	1	2	1	2	1	5	1	3	5	1	2	1	3	5	2	5	4	3	3	5
	64	85.33	2	1	1	2	1	1	2	1	1	1	5	1	3	1	1	2	1	3	5	2	5	4	4	5	5
	72	96.00	2	1	1	2	1	1	2	2	1	1	2	1	3	1	1	2	1	3	5	2	5	4	3	4	5
	55	73.33	2	1	1		1	1	2	1	1	2	2	1	3	5	1	2	1	5	5	2	5	4	3	5	2
	71	94.67	2	1	1	2	1	1	2	2	1	1	2	1	3	1	1	2	1	3	5	2	5	4	3	4	5
	67	89.33	2	1	1	2	1	1	2	2	1	1	4	1	3	1	1	2	1	3	5	2	5	4	3	5	5
	64	85.33	2	1	1	2	1	1	2	2	1	1	3	1	5	1	1	2	1	3	5	2	5	4	3	5	5
	67	89.33	2	1	1	2	1	1	2	2	1	1	2	1	3	1	1	2	1	5	4	2	5	4	3	4	5
	67	89.33	2	1	1	1	1	1	2	1	1	1	2	1	3	5	1	2	1	3	5	2	5	4	3	4	5
	46	61.33	2	2	1	1	1	1	2	1	1	2	1	3	5	1	1	2	1	3	5	2	5	5	3	3	3
	61	81.33	2	2	1	1	1	1	2	1	2	1	4	1	3	1	1	2	1	3	4	2	5	2	3	5	5
	70	93.33	2	1	1	2	1	1	2	2	1	1	2	1	3	1	1	2	1	3	4	2	5	4	3	4	5
	58	77.33	2	1	1	2	1	1	2	1	1	2	5	3	1	1	1	2	1	3	2	2	5	1	3	3	5
	68	90.67	2	1	1	1	1	1	2	2	2	1	5	1	3	1	1	2	1	3	5	2	5	4	3	3	5
	67	89.33	2	1	1	2	1	1	2	2	1	1	2	1	3	5	1	2	1	3	5	2	5	4	3	2	5
	50	66.67	2	1	1	2	2	1	2	1	1	1	5	3	2	1	1	2	1	4	5	2	5	2	3	5	2
	66	88.00	2	1	1	1	1	1	2	2	1	1	4	1	3	1	1	2	1	3	5	2	5	4	3	4	5
	66	88.00	2	1	1	1	1	1	2	2	1	1	4	1	3	1	1	2	1	3	4	2	5	4	3	3	5
	41	54.67	1	1	1	2	2	1	2	2	1	1	4	5	3	1	1	4	2	5	2	2	5	4	3	5	5
	66	88.00	2	1	1	1	1	1	2	2	1	1	5	1	3	1	1	2	1	3	5	2	5	4	3	4	5
Average:	61.78	82.38	96	91	91	57	91	100	100	61	17	83	39	83	78	78	100	91	96	83	74	96	96	83	96	35	87

Student Response Report

FINAL EXAM

Legend: Correct: ■ Incorrect: ■ Partial Credit: ■ Unanswered or Other Incorrect Response: ■ Multiple Responses: ■

Students:	Question26	Question27	Question28	Question29	Question30	Question31	Question32	Question33	Question34	Question35	Question36	Question37	Question38	Question39	Question40	Question41	Question42	Question43	Question44	Question45	Question46	Question47	Question48	Question49	Question50	Question51	Question52	Question53	Question54
Answer Key:	2	4	1	4	2	3	3	5	3	3	1	1	2	2	4	4	4	2	2	1	4	5	1	1	3	5	4	5	
	2	4	2	4	2	3	3	2	4	3	1	1	2	2	4	3	4	4	1	4	5	1	5	3	5	4	5		
	2	2	1	4	2	1	3	2	5	3	1	1	2	2	4	5	4	4	2	2	1	4	5	1	5	3	5	4	5
	2	4	2	4	2	2	3	2	4	3	1	1	2	2	4	5	4	4	2	2	1	4	5	1	3	3	5	4	5
	2	4	1	4	2	2	3	5	3	3	1	1	2	2	4	5	4	4	2	2	1	3	5	1	5	3	5	4	5
	2	4	1	4	2	3	3	2	3	3	1	1	2	2	4	5	4	4	2	2	1	4	5	1	5	3	5	4	5
	4	4		4	2	2	4	5	3	3	1	1	2	2	4	5	4	2	2	3	1	4	4	1	5	3	5	4	5
	2	4	1	4	2	2	3	5	3	3	1	1	2	2	4	5	4	4	2	2	1	4	5	1	5	3	5	4	5
	2	4	1	5	2	3	3	2	3	3	1	1	2	2	4	5	4	4	2	2	1	4	5	1	5	3	5	4	5
	2	4	1	5	2	3	3	2	5	3	1	1	2	2	4	5	4	4	2	3	1	4	5	1	5	3	5	4	5
	4	4	1	4	2	1	3	2	3	3	1	1	2	2	4	5	4	4	2	3	1	4	5	1	5	3	5	4	5
	2	4	1	4	2	3	3	2	3	3	1	1	2	2	4	5	4	4	2	2	1	4	5	1	5	3	5	4	5
	2	5	2	5	2	3	3	5	3	3	1	5	3	2	4	5	4	4	2	3	1	3	5	1	3	3	5	4	5
	2	4	5	4	2	2	3	5	3	3	1	1	5	2	4	5	4	4	2	2	1	4	5	1	5	3	5	4	5
	2	4	1	4	2	3	3	2	3	3	1	1	2	2	4	5	4	4	2	2	1	4	5	1	5	3	5	4	5
	2	2	1	4	2	2	3	2	5	3	1	1	2	2	4	5	4	4	2	2	1	2	5	1	5	3	5	4	5
	2	4	1	4	2	3	3	2	3	3	1	1	2	2	4	5	4	4	2	2	1	4	5	1	5	3	5	4	5
	2	4	2	3	2	2	4	2	3	3	1	1	2	2	4	5	4	4	1	3	1	3	5	2	5	3	5	4	5
	2	4	1	4	2	3	3	5	5	3	1	1	2	2	4	5	4	4	2	2	1	4	5	1	5	3	5	4	5
	2	4	1	4	2	2	3	2	5	3	1	1	2	2	4	5	4	4	2	2	1	4	5	1	5	3	5	4	5
	2	5	3	3	5	3	4	5	5	4	1	2	2	2	4	5	4	4	1	2	1	3	1	1	5	3	5	4	5
	2	5	1	4	2	2	3	2	3	3	1	1	2	2	4	5	4	4	2	3	1	4	5	1	5	3	5	4	5
Average:	91	78	65	78	96	48	87	35	61	96	100	91	91	100	100	91	100	91	87	70	100	78	91	96	87	100	100	100	100

Student Response Report

FINAL EXAM

Legend: Correct: ■ Incorrect: ■ Partial Credit: ■ Unanswered or Other Incorrect Response: ■ Multiple Responses: ■

Students:	Question55	Question56	Question57	Question58	Question59	Question60	Question61	Question62	Question63	Question64	Question65	Question66	Question67	Question68	Question69	Question70	Question71	Question72	Question73	Question74	Question75
Answer Key:	2	4	5	4	5	1	4	5	1	3	2	3	1	3	4	4	1	3	3	4	1
	2	4	5	4	5	1	4	5	1	3	2	3	1	3	4	4	1	3	3	4	1
	4	4	5	4	5	1	4	5	3	3	2	3	1	2	3	1	1	3	4	4	3
	2	4	5	4	5	1	3	5	2	3	2	3	1	2	4	4	1	3	4	4	3
	4	4	5	4	5	1	1	5	3	3	2	3	1	2	1	1	1	3	2	4	3
	2	4	5	4	5	1	5	5	5	3	2	3	1	2	1	4	1	3	3	4	1
	2	4	5	4	5	1	4	5	1	3	2	3	1	2	4	4	1	3	5	4	3
	2	4	5	4	5	1	4	5	3	3	2	3	1	5	2	1	1	5	5	4	1
	2	4	5	4	5	1	4	5	3	3	2	3	1	2	4	4	1	3	4	4	1
	2	4	5	4	5	1	2	4	5	3	2	3	1	2	4	4	1	3	5	4	2
	4	4	5	4	5	1	3	5	3	3	2	3	1	2	4	4	1	3	5	4	1
	2	4	5	4	5	1	4	5	3	3	2	3	1	2	4	4	1	3	5	4	1
	2	4	5	4	5	1	4	5	3	3	2	3	1	2	4	4	1	3	3	4	5
	2	4	5	4	5	1	3	1	5	2	2	3	1	1	1	1	1	5	2	4	3
	2	4	5	4	5	1	4	4	3	3	2	3	1	1	4	4	1	3	1	4	1
	2	4	5	4	5	1	4	5	5	3	2	3	1	2	4	4	1	3	4	4	1
	2	4	5	4	5	1	3	5	2	3	2	3	1	3	3	1	1	3	5	4	2
	2	4	5	4	5	1	4	5	2	3	2	3	1	3	4	4	1	3	4	4	1
	2	4	5	4	5	1	5	5	3	3	2	3	1	2	4	4	1	3	3	4	1
	2	5	5	4	5	1	3	5	2	5	2	3	1	3	4	4	1	3	2	4	1
	2	4	5	4	5	1	4	5	3	3	2	3	1	1	2	4	1	3	4	4	3
	2	4	5	4	5	1	4	5	1	3	2	3	1	1	4	4	1	3	5	4	1
	4	5	4	5	2	2	2	1	5	3	2	3	1	1	4	4	1	2	4	4	2
Average:	83	91	96	96	96	91	57	83	9	91	100	100	100	57	70	78	100	87	35	100	52

Detailed Item Analysis Report

FINAL EXAM

Version: ■

Question1

Response	Frequency	Percent	Point Biserial
1	1	4.35	-0.57
*2	22	95.65	0.57
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question2

Response	Frequency	Percent	Point Biserial
*1	21	91.30	0.33
2	2	8.70	-0.33
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question3

Response	Frequency	Percent	Point Biserial
*1	21	91.30	0.13
2	2	8.70	-0.13
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question4

Response	Frequency	Percent	Point Biserial
1	9	39.13	0.06
*2	13	56.52	0.02
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
No Response	1	4.35	
Total	23	100.00	

Question5

Response	Frequency	Percent	Point Biserial
*1	21	91.30	0.64
2	2	8.70	-0.64
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question6

Response	Frequency	Percent	Point Biserial
*1	23	100.00	-
2	0	0.00	-
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question7

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
*2	23	100.00	-
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question8

Response	Frequency	Percent	Point Biserial
1	9	39.13	-0.39
*2	14	60.87	0.39
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question9

Response	Frequency	Percent	Point Biserial
1	19	82.61	-0.04
*2	4	17.39	0.04
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question10

Response	Frequency	Percent	Point Biserial
*1	19	82.61	0.43
2	4	17.39	-0.43
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question11

Response	Frequency	Percent	Point Biserial
1	2	8.70	-0.37
*2	9	39.13	0.37
3	2	8.70	-0.09
4	5	21.74	-0.11
5	5	21.74	-0.03
Total	23	100.00	

Question12

Response	Frequency	Percent	Point Biserial
*1	19	82.61	0.76
2	0	0.00	-
3	2	8.70	-0.54
4	0	0.00	-
5	2	8.70	-0.48
Total	23	100.00	

Question13

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	2	8.70	-0.37
*3	18	78.26	0.47
4	0	0.00	-
5	3	13.04	-0.27
Total	23	100.00	

Question14

Response	Frequency	Percent	Point Biserial
*1	18	78.26	0.08
2	0	0.00	-
3	0	0.00	-
4	0	0.00	-
5	5	21.74	-0.08
Total	23	100.00	

Question15

Response	Frequency	Percent	Point Biserial
*1	23	100.00	-
2	0	0.00	-
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question16

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
*2	21	91.30	0.41
3	0	0.00	-
4	1	4.35	-0.57
5	1	4.35	0.01
Total	23	100.00	

Question17

Response	Frequency	Percent	Point Biserial
*1	22	95.65	0.57
2	1	4.35	-0.57
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question18

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
*3	19	82.61	0.50
4	1	4.35	-0.32
5	3	13.04	-0.37
Total	23	100.00	

Question19

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	2	8.70	-0.48
3	0	0.00	-
4	4	17.39	0.25
*5	17	73.91	0.10
Total	23	100.00	

Question20

Response	Frequency	Percent	Point Biserial
1	1	4.35	-0.18
*2	22	95.65	0.18
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question21

Response	Frequency	Percent	Point Biserial
1	1	4.35	-0.08
2	0	0.00	-
3	0	0.00	-
4	0	0.00	-
*5	22	95.65	0.08
Total	23	100.00	

Question22

Response	Frequency	Percent	Point Biserial
1	1	4.35	-0.10
2	2	8.70	-0.25
3	0	0.00	-
*4	19	82.61	0.47
5	1	4.35	-0.43
Total	23	100.00	

Question23

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
*3	22	95.65	-0.06
4	1	4.35	0.06
5	0	0.00	-
Total	23	100.00	

Question24

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	2	8.70	-0.03
3	5	21.74	-0.16
*4	8	34.78	0.54
5	8	34.78	-0.39
Total	23	100.00	

Question25

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	2	8.70	-0.37
3	1	4.35	-0.43
4	0	0.00	-
*5	20	86.96	0.57
Total	23	100.00	

Question26

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
*2	21	91.30	0.03
3	0	0.00	-
4	2	8.70	-0.03
5	0	0.00	-
Total	23	100.00	

Question27

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	2	8.70	-0.07
3	0	0.00	-
*4	18	78.26	0.48
5	3	13.04	-0.53
Total	23	100.00	

Question28

Response	Frequency	Percent	Point Biserial
*1	15	65.22	0.80
2	5	21.74	-0.54
3	1	4.35	-0.57
4	0	0.00	-
5	1	4.35	-0.02
No Response	1	4.35	
Total	23	100.00	

Question29

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	2	8.70	-0.64
*4	18	78.26	0.55
5	3	13.04	-0.14
Total	23	100.00	

Question30

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
*2	22	95.65	0.57
3	0	0.00	-
4	0	0.00	-
5	1	4.35	-0.57
Total	23	100.00	

Question31

Response	Frequency	Percent	Point Biserial
1	2	8.70	0.11
2	10	43.48	-0.10
*3	11	47.83	0.04
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question32

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
*3	20	86.96	0.65
4	3	13.04	-0.65
5	0	0.00	-
Total	23	100.00	

Question33

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	15	65.22	0.36
3	0	0.00	-
4	0	0.00	-
*5	8	34.78	-0.36
Total	23	100.00	

Question34

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
*3	14	60.87	0.30
4	2	8.70	-0.19
5	7	30.43	-0.20
Total	23	100.00	

Question35

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
*3	22	95.65	0.57
4	1	4.35	-0.57
5	0	0.00	-
Total	23	100.00	

Question36

Response	Frequency	Percent	Point Biserial
*1	23	100.00	-
2	0	0.00	-
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question37

Response	Frequency	Percent	Point Biserial
*1	21	91.30	0.72
2	1	4.35	-0.57
3	0	0.00	-
4	0	0.00	-
5	1	4.35	-0.43
Total	23	100.00	

Question38

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
*2	21	91.30	0.33
3	1	4.35	-0.43
4	0	0.00	-
5	1	4.35	-0.02
Total	23	100.00	

Question39

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
*2	23	100.00	-
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question40

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	0	0.00	-
*4	23	100.00	-
5	0	0.00	-
Total	23	100.00	

Question41

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	1	4.35	-0.18
4	1	4.35	-0.08
*5	21	91.30	0.19
Total	23	100.00	

Question42

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	0	0.00	-
*4	23	100.00	-
5	0	0.00	-
Total	23	100.00	

Question43

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	1	4.35	-0.18
3	1	4.35	0.14
*4	21	91.30	0.03
5	0	0.00	-
Total	23	100.00	

Question44

Response	Frequency	Percent	Point Biserial
1	3	13.04	-0.65
*2	20	86.96	0.65
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question45

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
*2	16	69.57	0.36
3	6	26.09	-0.29
4	1	4.35	-0.18
5	0	0.00	-
Total	23	100.00	

Question46

Response	Frequency	Percent	Point Biserial
*1	23	100.00	-
2	0	0.00	-
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question47

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	1	4.35	-0.10
3	4	17.39	-0.68
*4	18	78.26	0.67
5	0	0.00	-
Total	23	100.00	

Question48

Response	Frequency	Percent	Point Biserial
1	1	4.35	-0.57
2	0	0.00	-
3	0	0.00	-
4	1	4.35	-0.18
*5	21	91.30	0.54
Total	23	100.00	

Question49

Response	Frequency	Percent	Point Biserial
*1	22	95.65	0.32
2	1	4.35	-0.32
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question50

Response	Frequency	Percent	Point Biserial
1	1	4.35	-0.08
2	0	0.00	-
3	2	8.70	-0.37
4	0	0.00	-
*5	20	86.96	0.35
Total	23	100.00	

Question51

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
*3	23	100.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question52

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	0	0.00	-
4	0	0.00	-
*5	23	100.00	-
Total	23	100.00	

Question53

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	0	0.00	-
*4	23	100.00	-
5	0	0.00	-
Total	23	100.00	

Question54

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	0	0.00	-
4	0	0.00	-
*5	23	100.00	-
Total	23	100.00	

Question55

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
*2	19	82.61	0.41
3	0	0.00	-
4	4	17.39	-0.41
5	0	0.00	-
Total	23	100.00	

Question56

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	0	0.00	-
*4	21	91.30	0.64
5	2	8.70	-0.64
Total	23	100.00	

Question57

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	0	0.00	-
4	1	4.35	-0.57
*5	22	95.65	0.57
Total	23	100.00	

Question58

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	0	0.00	-
*4	22	95.65	0.57
5	1	4.35	-0.57
Total	23	100.00	

Question59

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	1	4.35	-0.57
3	0	0.00	-
4	0	0.00	-
*5	22	95.65	0.57
Total	23	100.00	

Question60

Response	Frequency	Percent	Point Biserial
*1	21	91.30	0.31
2	2	8.70	-0.31
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question61

Response	Frequency	Percent	Point Biserial
1	2	8.70	-0.11
2	1	4.35	-0.57
3	5	21.74	-0.39
*4	13	56.52	0.54
5	2	8.70	0.15
Total	23	100.00	

Question62

Response	Frequency	Percent	Point Biserial
1	2	8.70	-0.72
2	0	0.00	-
3	0	0.00	-
4	2	8.70	-0.07
*5	19	82.61	0.59
Total	23	100.00	

Question63

Response	Frequency	Percent	Point Biserial
*1	2	8.70	0.28
2	4	17.39	-0.13
3	11	47.83	0.13
4	0	0.00	-
5	6	26.09	-0.21
Total	23	100.00	

Question64

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	1	4.35	-0.43
*3	21	91.30	0.54
4	0	0.00	-
5	1	4.35	-0.32
Total	23	100.00	

Question65

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
*2	23	100.00	-
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question66

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
*3	23	100.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question67

Response	Frequency	Percent	Point Biserial
*1	23	100.00	-
2	0	0.00	-
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question68

Response	Frequency	Percent	Point Biserial
1	5	21.74	-0.39
*2	13	56.52	0.54
3	4	17.39	-0.18
4	0	0.00	-
5	1	4.35	-0.18
Total	23	100.00	

Question69

Response	Frequency	Percent	Point Biserial
1	3	13.04	-0.27
2	2	8.70	-0.05
3	2	8.70	-0.21
*4	16	69.57	0.36
5	0	0.00	-
Total	23	100.00	

Question70

Response	Frequency	Percent	Point Biserial
1	5	21.74	-0.48
2	0	0.00	-
3	0	0.00	-
*4	18	78.26	0.48
5	0	0.00	-
Total	23	100.00	

Question71

Response	Frequency	Percent	Point Biserial
*1	23	100.00	-
2	0	0.00	-
3	0	0.00	-
4	0	0.00	-
5	0	0.00	-
Total	23	100.00	

Question72

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	1	4.35	-0.57
*3	20	86.96	0.71
4	0	0.00	-
5	2	8.70	-0.44
Total	23	100.00	

Question73

Response	Frequency	Percent	Point Biserial
1	1	4.35	-0.02
2	3	13.04	-0.50
3	4	17.39	0.14
4	7	30.43	0.01
*5	8	34.78	0.24
Total	23	100.00	

Question74

Response	Frequency	Percent	Point Biserial
1	0	0.00	-
2	0	0.00	-
3	0	0.00	-
*4	23	100.00	-
5	0	0.00	-
Total	23	100.00	

Question75

Response	Frequency	Percent	Point Biserial
*1	12	52.17	0.23
2	3	13.04	-0.32
3	7	30.43	-0.08
4	0	0.00	-
5	1	4.35	0.14
Total	23	100.00	

Condensed Test Report

FINAL EXAM

Legend: Distractors Chosen More than Correct Answer: ■

Total Possible Points:	75	Median Score:	64.50	Maximum Score:	72
Total Students:	64	Mean Score:	62.69	Minimum Score:	41
Standard Deviation:	6.36	Reliability Coefficient (KR20):	0.79	Range of Scores:	31

Version: ■

No.	Question	Correct Answer	Response Frequencies					Non Distractor	Correct Group Responses			Point Biserial
			1	2	3	4	5		Total %	Upper 27%	Lower 27%	
1	Question1	2	4.35	95.65	0.00	0.00	0.00	345	95.65	100.00	83.33	0.57
2	Question2	1	91.30	8.70	0.00	0.00	0.00	345	91.30	100.00	83.33	0.33
3	Question3	1	91.30	8.70	0.00	0.00	0.00	345	91.30	100.00	83.33	0.13
4	Question4	2	39.13	56.52	0.00	0.00	0.00	345	56.52	83.33	66.67	0.02
5	Question5	1	91.30	8.70	0.00	0.00	0.00	345	91.30	100.00	66.67	0.64
6	Question6	1	100.00	0.00	0.00	0.00	0.00	2345	100.00	100.00	100.00	-
7	Question7	2	0.00	100.00	0.00	0.00	0.00	1345	100.00	100.00	100.00	-
8	Question8	2	39.13	60.87	0.00	0.00	0.00	345	60.87	100.00	33.33	0.39
9	Question9	2	82.61	17.39	0.00	0.00	0.00	345	17.39	16.67	0.00	0.04
10	Question10	1	82.61	17.39	0.00	0.00	0.00	345	82.61	100.00	50.00	0.43
11	Question11	2	8.70	39.13	8.70	21.74	21.74		39.13	66.67	33.33	0.37
12	Question12	1	82.61	0.00	8.70	0.00	8.70	24	82.61	100.00	33.33	0.76
13	Question13	3	0.00	8.70	78.26	0.00	13.04	14	78.26	100.00	50.00	0.47
14	Question14	1	78.26	0.00	0.00	0.00	21.74	234	78.26	100.00	66.67	0.08
15	Question15	1	100.00	0.00	0.00	0.00	0.00	2345	100.00	100.00	100.00	-
16	Question16	2	0.00	91.30	0.00	4.35	4.35	13	91.30	100.00	83.33	0.41
17	Question17	1	95.65	4.35	0.00	0.00	0.00	345	95.65	100.00	83.33	0.57
18	Question18	3	0.00	0.00	82.61	4.35	13.04	12	82.61	83.33	50.00	0.50
19	Question19	5	0.00	8.70	0.00	17.39	73.91	13	73.91	66.67	66.67	0.10
20	Question20	2	4.35	95.65	0.00	0.00	0.00	345	95.65	100.00	83.33	0.18
21	Question21	5	4.35	0.00	0.00	0.00	95.65	234	95.65	100.00	100.00	0.08
22	Question22	4	4.35	8.70	0.00	82.61	4.35	3	82.61	100.00	50.00	0.47
23	Question23	3	0.00	0.00	95.65	4.35	0.00	125	95.65	100.00	100.00	-0.06
24	Question24	4	0.00	8.70	21.74	34.78	34.78	1	34.78	66.67	0.00	0.54
25	Question25	5	0.00	8.70	4.35	0.00	86.96	14	86.96	100.00	50.00	0.57
26	Question26	2	0.00	91.30	0.00	8.70	0.00	135	91.30	83.33	83.33	0.03
27	Question27	4	0.00	8.70	0.00	78.26	13.04	13	78.26	100.00	50.00	0.48
28	Question28	1	65.22	21.74	4.35	0.00	4.35	4	65.22	100.00	16.67	0.80
29	Question29	4	0.00	0.00	8.70	78.26	13.04	12	78.26	83.33	50.00	0.55
30	Question30	2	0.00	95.65	0.00	0.00	4.35	134	95.65	100.00	83.33	0.57
31	Question31	3	8.70	43.48	47.83	0.00	0.00	45	47.83	66.67	50.00	0.04
32	Question32	3	0.00	0.00	86.96	13.04	0.00	125	86.96	100.00	50.00	0.65
33	Question33	5	0.00	65.22	0.00	0.00	34.78	134	34.78	16.67	50.00	-0.36
34	Question34	3	0.00	0.00	60.87	8.70	30.43	12	60.87	100.00	50.00	0.30
35	Question35	3	0.00	0.00	95.65	4.35	0.00	125	95.65	100.00	83.33	0.57
36	Question36	1	100.00	0.00	0.00	0.00	0.00	2345	100.00	100.00	100.00	-
37	Question37	1	91.30	4.35	0.00	0.00	4.35	34	91.30	100.00	66.67	0.72
38	Question38	2	0.00	91.30	4.35	0.00	4.35	14	91.30	100.00	83.33	0.33
39	Question39	2	0.00	100.00	0.00	0.00	0.00	1345	100.00	100.00	100.00	-
40	Question40	4	0.00	0.00	0.00	100.00	0.00	1235	100.00	100.00	100.00	-

Condensed Test Report

FINAL EXAM

Legend: Distractors Chosen More than Correct Answer: ■

No.	Question	Correct Answer	Response Frequencies					Non Distractor	Correct Group Responses			Point Biserial
			1	2	3	4	5		Total %	Upper 27%	Lower 27%	
41	Question41	5	0.00	0.00	4.35	4.35	91.30	12	91.30	100.00	83.33	0.19
42	Question42	4	0.00	0.00	0.00	100.00	0.00	1235	100.00	100.00	100.00	-
43	Question43	4	0.00	4.35	4.35	91.30	0.00	15	91.30	100.00	83.33	0.03
44	Question44	2	13.04	86.96	0.00	0.00	0.00	345	86.96	100.00	50.00	0.65
45	Question45	2	0.00	69.57	26.09	4.35	0.00	15	69.57	83.33	33.33	0.36
46	Question46	1	100.00	0.00	0.00	0.00	0.00	2345	100.00	100.00	100.00	-
47	Question47	4	0.00	4.35	17.39	78.26	0.00	15	78.26	100.00	33.33	0.67
48	Question48	5	4.35	0.00	0.00	4.35	91.30	23	91.30	100.00	66.67	0.54
49	Question49	1	95.65	4.35	0.00	0.00	0.00	345	95.65	100.00	83.33	0.32
50	Question50	5	4.35	0.00	8.70	0.00	86.96	24	86.96	100.00	83.33	0.35
51	Question51	3	0.00	0.00	100.00	0.00	0.00	1245	100.00	100.00	100.00	-
52	Question52	5	0.00	0.00	0.00	0.00	100.00	1234	100.00	100.00	100.00	-
53	Question53	4	0.00	0.00	0.00	100.00	0.00	1235	100.00	100.00	100.00	-
54	Question54	5	0.00	0.00	0.00	0.00	100.00	1234	100.00	100.00	100.00	-
55	Question55	2	0.00	82.61	0.00	17.39	0.00	135	82.61	100.00	66.67	0.41
56	Question56	4	0.00	0.00	0.00	91.30	8.70	123	91.30	100.00	66.67	0.64
57	Question57	5	0.00	0.00	0.00	4.35	95.65	123	95.65	100.00	83.33	0.57
58	Question58	4	0.00	0.00	0.00	95.65	4.35	123	95.65	100.00	83.33	0.57
59	Question59	5	0.00	4.35	0.00	0.00	95.65	134	95.65	100.00	83.33	0.57
60	Question60	1	91.30	8.70	0.00	0.00	0.00	345	91.30	83.33	83.33	0.31
61	Question61	4	8.70	4.35	21.74	56.52	8.70		56.52	100.00	33.33	0.54
62	Question62	5	8.70	0.00	0.00	8.70	82.61	23	82.61	100.00	66.67	0.59
63	Question63	1	8.70	17.39	47.83	0.00	26.09	4	8.70	16.67	0.00	0.28
64	Question64	3	0.00	4.35	91.30	0.00	4.35	14	91.30	100.00	66.67	0.54
65	Question65	2	0.00	100.00	0.00	0.00	0.00	1345	100.00	100.00	100.00	-
66	Question66	3	0.00	0.00	100.00	0.00	0.00	1245	100.00	100.00	100.00	-
67	Question67	1	100.00	0.00	0.00	0.00	0.00	2345	100.00	100.00	100.00	-
68	Question68	2	21.74	56.52	17.39	0.00	4.35	4	56.52	83.33	16.67	0.54
69	Question69	4	13.04	8.70	8.70	69.57	0.00	5	69.57	100.00	33.33	0.36
70	Question70	4	21.74	0.00	0.00	78.26	0.00	235	78.26	100.00	33.33	0.48
71	Question71	1	100.00	0.00	0.00	0.00	0.00	2345	100.00	100.00	100.00	-
72	Question72	3	0.00	4.35	86.96	0.00	8.70	14	86.96	100.00	50.00	0.71
73	Question73	5	4.35	13.04	17.39	30.43	34.78		34.78	50.00	33.33	0.24
74	Question74	4	0.00	0.00	0.00	100.00	0.00	1235	100.00	100.00	100.00	-
75	Question75	1	52.17	13.04	30.43	0.00	4.35	4	52.17	66.67	33.33	0.23

Test Item Statistics Report

FINAL EXAM

Version: [REDACTED]

Question		Summary Statistics				Reliability	
Question	Points	Graded	Correct	Incorrect	Missing	Point Biserial	Percent Correct
Question1	1	23	22	1	0	0.57	95.65
Question2	1	23	21	2	0	0.33	91.30
Question3	1	23	21	2	0	0.13	91.30
Question4	1	23	13	9	1	0.02	56.52
Question5	1	23	21	2	0	0.64	91.30
Question6	1	23	23	0	0	-	100.00
Question7	1	23	23	0	0	-	100.00
Question8	1	23	14	9	0	0.39	60.87
Question9	1	23	4	19	0	0.04	17.39
Question10	1	23	19	4	0	0.43	82.61
Question11	1	23	9	14	0	0.37	39.13
Question12	1	23	19	4	0	0.76	82.61
Question13	1	23	18	5	0	0.47	78.26
Question14	1	23	18	5	0	0.08	78.26
Question15	1	23	23	0	0	-	100.00
Question16	1	23	21	2	0	0.41	91.30
Question17	1	23	22	1	0	0.57	95.65
Question18	1	23	19	4	0	0.50	82.61
Question19	1	23	17	6	0	0.10	73.91
Question20	1	23	22	1	0	0.18	95.65
Question21	1	23	22	1	0	0.08	95.65
Question22	1	23	19	4	0	0.47	82.61
Question23	1	23	22	1	0	-0.06	95.65
Question24	1	23	8	15	0	0.54	34.78
Question25	1	23	20	3	0	0.57	86.96
Question26	1	23	21	2	0	0.03	91.30
Question27	1	23	18	5	0	0.48	78.26
Question28	1	23	15	7	1	0.80	65.22
Question29	1	23	18	5	0	0.55	78.26
Question30	1	23	22	1	0	0.57	95.65
Question31	1	23	11	12	0	0.04	47.83
Question32	1	23	20	3	0	0.65	86.96
Question33	1	23	8	15	0	-0.36	34.78
Question34	1	23	14	9	0	0.30	60.87
Question35	1	23	22	1	0	0.57	95.65
Question36	1	23	23	0	0	-	100.00
Question37	1	23	21	2	0	0.72	91.30
Question38	1	23	21	2	0	0.33	91.30

Test Item Statistics Report

FINAL EXAM

Version:

Question		Summary Statistics				Reliability	
Question	Points	Graded	Correct	Incorrect	Missing	Point Biserial	Percent Correct
Question39	1	23	23	0	0	-	100.00
Question40	1	23	23	0	0	-	100.00
Question41	1	23	21	2	0	0.19	91.30
Question42	1	23	23	0	0	-	100.00
Question43	1	23	21	2	0	0.03	91.30
Question44	1	23	20	3	0	0.65	86.96
Question45	1	23	16	7	0	0.36	69.57
Question46	1	23	23	0	0	-	100.00
Question47	1	23	18	5	0	0.67	78.26
Question48	1	23	21	2	0	0.54	91.30
Question49	1	23	22	1	0	0.32	95.65
Question50	1	23	20	3	0	0.35	86.96
Question51	1	23	23	0	0	-	100.00
Question52	1	23	23	0	0	-	100.00
Question53	1	23	23	0	0	-	100.00
Question54	1	23	23	0	0	-	100.00
Question55	1	23	19	4	0	0.41	82.61
Question56	1	23	21	2	0	0.64	91.30
Question57	1	23	22	1	0	0.57	95.65
Question58	1	23	22	1	0	0.57	95.65
Question59	1	23	22	1	0	0.57	95.65
Question60	1	23	21	2	0	0.31	91.30
Question61	1	23	13	10	0	0.54	56.52
Question62	1	23	19	4	0	0.59	82.61
Question63	1	23	2	21	0	0.28	8.70
Question64	1	23	21	2	0	0.54	91.30
Question65	1	23	23	0	0	-	100.00
Question66	1	23	23	0	0	-	100.00
Question67	1	23	23	0	0	-	100.00
Question68	1	23	13	10	0	0.54	56.52
Question69	1	23	16	7	0	0.36	69.57
Question70	1	23	18	5	0	0.48	78.26
Question71	1	23	23	0	0	-	100.00
Question72	1	23	20	3	0	0.71	86.96
Question73	1	23	8	15	0	0.24	34.78
Question74	1	23	23	0	0	-	100.00
Question75	1	23	12	11	0	0.23	52.17