

# Item Analysis Report

## MED540 Comp Exam Part 1

### Descriptive Statistics

Number of Candidates:	172	Variance:	43.57
Number of Items:	80	Standard Deviation:	6.60
		Standard Error of Measurement:	3.76
Min Score:	40/80 (50%)	Reliability Measurement:	0.675
Max Score:	78/80 (98%)	Pass Score:	40/80 (50%)
Mean Score:	57/80 (71%)	Pass Rate:	172/172 (100%)

### Discrimination/Difficulty Table

PBIS	> 70											
	60-69											
	50-59											
	40-49					1	1				2	
	30-39					4	2	2	5		13	
	20-29		1			1	7	6	6	5	1	27
	10-19				1	1	3	4	1	7	3	20
	0-9					2	1	1	3	6	4	17
	< 0									1		1
	TOTAL		1		1	4	16	14	12	24	8	80
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	> 90	TOTAL
Difficulty Level												

### Pass Rate

	Fail	PM - 2 SEM	PM - 1 SEM	PM + 1 SEM	PM + 2 SEM	Pass
Raw	0	0	0	3	10	159
%	0%	0%	0%	2%	6%	92%

PM = Passing Mark  
SEM = Standard Error of Measurement

## Frequency Distribution

Score	Freq	%-ile	cum-%
40	1	0.29	0.58
41	1	0.87	1.16
42	0	1.16	1.16
43	1	1.45	1.74
44	3	2.62	3.49
45	3	4.36	5.23
46	1	5.52	5.81
47	3	6.69	7.56
48	6	9.30	11.05
49	6	12.79	14.53
50	3	15.41	16.28
51	7	18.31	20.35
52	5	21.80	23.26
53	8	25.58	27.91
54	10	30.81	33.72
55	9	36.34	38.95
56	10	41.86	44.77
57	11	47.97	51.16
58	10	54.07	56.98
59	7	59.01	61.05
60	14	65.12	69.19
61	4	70.35	71.51
62	7	73.55	75.58
63	11	78.78	81.98
64	9	84.59	87.21
65	5	88.66	90.12
66	9	92.73	95.35
67	3	96.22	97.09
68	0	97.09	97.09
69	2	97.67	98.26
70	0	98.26	98.26
71	1	98.55	98.84
72	1	99.13	99.42
73	0	99.42	99.42
74	0	99.42	99.42
75	0	99.42	99.42
76	0	99.42	99.42
77	0	99.42	99.42
78	1	99.71	100.00

## Item Statistics

Item ID	Key	Difficulty	PBIS	Mode Choice	Count	Variance	Option Count			
							1	2	3	4
HOMER_Quiz_1050060	1	85%	0.04	1	172	0.12	147	17	1	7
HOMER_Quiz_1050061	1	96%	0.21	1	172	0.04	165	0	2	5
HOMER_Quiz_1050062	4	50%	0.29	4	172	0.25	25	51	10	86
HOMER_Quiz_1050063	1	72%	0.30	1	172	0.20	123	5	28	16
HOMER_Quiz_1050064	3	74%	0.28	3	172	0.19	23	6	128	15
HOMER_Quiz_1050065	2	87%	0.06	2	172	0.11	7	150	13	2
HOMER_Quiz_1050066	1	53%	0.15	1	172	0.25	92	29	27	24
HOMER_Quiz_1050067	1	99%	0.05	1	172	0.01	170	0	1	1
HOMER_Quiz_1050068	1	48%	0.25	1	172	0.25	82	59	25	6
HOMER_Quiz_1050069	3	78%	0.22	3	172	0.17	3	15	134	20
HOMER_Quiz_1050070	3	83%	0.04	3	172	0.14	0	0	143	29
HOMER_Quiz_1050071	3	99%	0.20	3	172	0.01	0	1	171	
HOMER_Quiz_1050072	1	100%	0.00	1	172	0.00	172			
HOMER_Quiz_1050073	2	94%	0.13	2	172	0.06	0	161	10	1
HOMER_Quiz_1050074	4	96%	0.04	4	172	0.04	0	2	5	165
HOMER_Quiz_1050075	4	79%	0.21	4	172	0.17	22	13	1	136
HOMER_Quiz_1050076	3	55%	0.26	3	172	0.25	10	12	95	55
HOMER_Quiz_1050077	2	80%	0.33	2	172	0.16	8	138	22	4
HOMER_Quiz_1050078	2	85%	0.11	2	172	0.13	0	146	0	26
HOMER_Quiz_1050079	4	61%	0.34	4	172	0.24	50	7	10	105
HOMER_Quiz_1050080	2	33%	0.14	1	172	0.22	61	56	35	20
HOMER_Quiz_1050081	4	53%	0.36	4	172	0.25	8	11	61	92
HOMER_Quiz_1050082	2	58%	0.43	2	172	0.24	18	99	20	35
HOMER_Quiz_1050083	3	80%	0.29	3	172	0.16	11	20	138	3
HOMER_Quiz_1050084	3	84%	0.27	3	172	0.14	19	2	144	7
HOMER_Quiz_1050085	2	88%	0.33	2	172	0.11	13	151	2	6
HOMER_Quiz_1050086	3	56%	0.31	3	172	0.25	68	8	96	
HOMER_Quiz_1050087	2	69%	0.27	2	172	0.21	37	119	4	12
HOMER_Quiz_1050088	3	51%	0.15	3	172	0.25	2	61	87	22
HOMER_Quiz_1050089	1	73%	0.16	1	172	0.20	126	14	20	12
HOMER_Quiz_1050090	3	68%	0.28	3	172	0.22	0	6	117	49
HOMER_Quiz_1050091	2	89%	0.19	2	172	0.10	9	153	0	10
HOMER_Quiz_1050092	3	83%	0.11	3	172	0.14	22	8	142	
HOMER_Quiz_1050093	2	81%	0.05	2	172	0.16	23	139	5	5
HOMER_Quiz_1050094	2	48%	0.03	2	172	0.25	43	82	29	18
HOMER_Quiz_1050095	3	81%	0.00	3	172	0.15	2	28	140	2
HOMER_Quiz_1050096	4	63%	0.40	4	172	0.23	22	0	42	108
HOMER_Quiz_1050097	4	55%	0.22	4	172	0.25	1	12	64	95
HOMER_Quiz_1050098	1	50%	0.21	1	172	0.25	86	31	55	
HOMER_Quiz_1050099	2	71%	0.05	2	172	0.21	9	122	39	2
HOMER_Quiz_1050100	1	84%	0.16	1	172	0.14	144	2	21	5
HOMER_Quiz_1050101	3	53%	0.29	3	172	0.25	13	46	92	21
HOMER_Quiz_1050102	2	67%	0.26	2	172	0.22	9	115	40	8
HOMER_Quiz_1050103	3	72%	0.21	3	172	0.20	15	16	123	18
HOMER_Quiz_1050104	1	87%	0.33	1	172	0.11	150	3	9	10
HOMER_Quiz_1050105	4	82%	0.12	4	172	0.15	5	3	23	141
HOMER_Quiz_1050106	3	65%	0.38	3	172	0.23	4	31	111	26
HOMER_Quiz_1050107	2	72%	0.06	2	172	0.20	0	124	27	21
HOMER_Quiz_1050108	2	52%	0.33	2	172	0.25	8	90	46	28
HOMER_Quiz_1050109	1	77%	0.08	1	172	0.18	133	26	0	13
HOMER_Quiz_1050110	4	81%	0.12	4	172	0.16	11	3	19	139
HOMER_Quiz_1050111	2	60%	0.35	2	172	0.24	21	103	0	48

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Item ID	Key	Difficulty	PBIS	Mode Choice	Count	Variance	Option Count			
							1	2	3	4
HOMER_Quiz_1050112	3	81%	0.29	3	172	0.16	21	12	139	
HOMER_Quiz_1050113	2	88%	-0.10	2	172	0.10	0	152	11	9
HOMER_Quiz_1050114	2	78%	0.23	2	172	0.17	8	134	5	25
HOMER_Quiz_1050115	4	70%	0.28	4	172	0.21	2	21	29	120
HOMER_Quiz_1050116	4	59%	0.26	4	172	0.24	0	13	58	101
HOMER_Quiz_1050117	3	76%	0.32	3	172	0.18	6	9	131	26
HOMER_Quiz_1050118	1	98%	0.14	1	172	0.02	168	4		
HOMER_Quiz_1050119	4	80%	0.10	4	172	0.16	24	10	0	138
HOMER_Quiz_1050120	3	67%	0.27	3	172	0.22	1	44	115	12
HOMER_Quiz_1050121	3	72%	0.21	3	172	0.20	0	2	124	46
HOMER_Quiz_1050122	4	18%	0.25	2	172	0.15	11	117	13	31
HOMER_Quiz_1050123	4	81%	0.31	4	172	0.16	29	3	1	139
HOMER_Quiz_1050124	4	60%	0.07	4	172	0.24	4	6	59	103
HOMER_Quiz_1050125	4	66%	0.16	4	172	0.22	16	8	34	114
HOMER_Quiz_1050126	1	81%	0.20	1	172	0.16	139	6	26	1
HOMER_Quiz_1050127	2	90%	0.01	2	172	0.09	0	154	0	18
HOMER_Quiz_1050128	2	88%	0.29	2	172	0.10	20	152		
HOMER_Quiz_1050129	4	51%	0.10	4	172	0.25	26	45	14	87
HOMER_Quiz_1050130	3	68%	0.19	3	172	0.22	46	5	117	4
HOMER_Quiz_1050131	1	96%	0.02	1	172	0.04	165	5	0	2
HOMER_Quiz_1050132	2	45%	0.14	2	172	0.25	12	77	67	16
HOMER_Quiz_1050133	4	67%	0.01	4	172	0.22	3	2	52	115
HOMER_Quiz_1050134	2	60%	0.22	2	172	0.24	2	104	61	5
HOMER_Quiz_1050135	2	45%	0.08	1	172	0.25	83	77	6	6
HOMER_Quiz_1050136	3	69%	0.14	3	172	0.22	49	1	118	4
HOMER_Quiz_1050137	2	69%	0.13	2	172	0.21	3	119	10	40
HOMER_Quiz_1050138	2	83%	0.34	2	172	0.14	2	143	8	19
HOMER_Quiz_1050139	4	52%	0.26	4	172	0.25	3	9	70	90