

Item Analysis Report

MED540 Comp Exam Part 1

Descriptive Statistics

Number of Candidates:	172	Variance:	139.60
Number of Items:	153	Standard Deviation:	11.82
		Standard Error of Measurement:	5.26
Min Score:	73/153 (48%)	Reliability Measurement:	0.802
Max Score:	143/153 (93%)	Pass Score:	77/153 (50%)
Mean Score:	107/153 (70%)	Pass Rate:	171/172 (99%)

Discrimination/Difficulty Table

PBIS	> 70											
	60-69											
	50-59											
	40-49					1	2		1		4	
	30-39				1	3	5	1	6		16	
	20-29		1	1	1	3	16	10	13	9	1	55
	10-19		1		1	4	5	6	8	6	9	40
	0-9			1	1	3	3	2	4	14	5	33
	< 0							1		4		5
	TOTAL		2	2	3	11	28	26	26	40	15	153
		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	1	2	5	164
%	0%	0%	1%	1%	3%	95%

PM = Passing Mark
SEM = Standard Error of Measurement

Frequency Distribution

Score	Freq	%-ile	cum-%	Score	Freq	%-ile	cum-%
73	1	0.29	0.58	122	4	90.12	91.28
74	0	0.58	0.58	123	2	91.86	92.44
75	0	0.58	0.58	124	1	92.73	93.02
76	0	0.58	0.58	125	2	93.60	94.19
77	0	0.58	0.58	126	2	94.77	95.35
78	0	0.58	0.58	127	4	96.51	97.67
79	0	0.58	0.58	128	1	97.97	98.26
80	2	1.16	1.74	129	0	98.26	98.26
81	0	1.74	1.74	130	1	98.55	98.84
82	0	1.74	1.74	131	0	98.84	98.84
83	0	1.74	1.74	132	0	98.84	98.84
84	2	2.33	2.91	133	0	98.84	98.84
85	0	2.91	2.91	134	0	98.84	98.84
86	1	3.20	3.49	135	1	99.13	99.42
87	2	4.07	4.65	136	0	99.42	99.42
88	2	5.23	5.81	137	0	99.42	99.42
89	0	5.81	5.81	138	0	99.42	99.42
90	6	7.56	9.30	139	0	99.42	99.42
91	3	10.17	11.05	140	0	99.42	99.42
92	4	12.21	13.37	141	0	99.42	99.42
93	0	13.37	13.37	142	0	99.42	99.42
94	4	14.53	15.70	143	1	99.71	100.00
95	2	16.28	16.86				
96	7	18.90	20.93				
97	1	21.22	21.51				
98	5	22.97	24.42				
99	2	25.00	25.58				
100	2	26.16	26.74				
101	6	28.49	30.23				
102	7	32.27	34.30				
103	6	36.05	37.79				
104	8	40.12	42.44				
105	4	43.60	44.77				
106	8	47.09	49.42				
107	5	50.87	52.33				
108	6	54.07	55.81				
109	5	57.27	58.72				
110	7	60.76	62.79				
111	6	64.53	66.28				
112	4	67.44	68.60				
113	4	69.77	70.93				
114	5	72.38	73.84				
115	3	74.71	75.58				
116	2	76.16	76.74				
117	6	78.49	80.23				
118	2	80.81	81.40				
119	4	82.56	83.72				
120	3	84.59	85.47				
121	6	87.21	88.95				

Item Statistics

Item ID	Key	Difficulty	PBIS	Mode Choice	Count	Variance	Option Count			
							1	2	3	4
HOMER_Quiz_1050060	1	85%	0.02	1	172	0.12	147	17	1	7
HOMER_Quiz_1050061	1	96%	0.22	1	172	0.04	165	0	2	5
HOMER_Quiz_1050062	4	50%	0.28	4	172	0.25	25	51	10	86
HOMER_Quiz_1050063	1	72%	0.31	1	172	0.20	123	5	28	16
HOMER_Quiz_1050064	3	74%	0.29	3	172	0.19	23	6	128	15
HOMER_Quiz_1050065	2	87%	0.08	2	172	0.11	7	150	13	2
HOMER_Quiz_1050066	1	53%	0.11	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%	0.20	1	172	0.25	82	59	25	6
HOMER_Quiz_1050069	3	78%	0.16	3	172	0.17	3	15	134	20
HOMER_Quiz_1050070	3	83%	0.00	3	172	0.14	0	0	143	29
HOMER_Quiz_1050071	3	99%	0.17	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%	0.01	4	172	0.04	0	2	5	165
HOMER_Quiz_1050075	4	79%	0.24	4	172	0.17	22	13	1	136
HOMER_Quiz_1050076	3	55%	0.28	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%	0.05	2	172	0.13	0	146	0	26
HOMER_Quiz_1050079	4	61%	0.33	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%	0.32	4	172	0.25	8	11	61	92
HOMER_Quiz_1050082	2	58%	0.44	2	172	0.24	18	99	20	35
HOMER_Quiz_1050083	3	80%	0.27	3	172	0.16	11	20	138	3
HOMER_Quiz_1050084	3	84%	0.31	3	172	0.14	19	2	144	7
HOMER_Quiz_1050085	2	88%	0.32	2	172	0.11	13	151	2	6
HOMER_Quiz_1050086	3	56%	0.27	3	172	0.25	68	8	96	
HOMER_Quiz_1050087	2	69%	0.24	2	172	0.21	37	119	4	12
HOMER_Quiz_1050088	3	51%	0.11	3	172	0.25	2	61	87	22
HOMER_Quiz_1050089	1	73%	0.14	1	172	0.20	126	14	20	12
HOMER_Quiz_1050090	3	68%	0.30	3	172	0.22	0	6	117	49
HOMER_Quiz_1050091	2	89%	0.17	2	172	0.10	9	153	0	10
HOMER_Quiz_1050092	3	83%	0.04	3	172	0.14	22	8	142	
HOMER_Quiz_1050093	2	81%	0.07	2	172	0.16	23	139	5	5
HOMER_Quiz_1050094	2	48%	0.04	2	172	0.25	43	82	29	18
HOMER_Quiz_1050095	3	81%	-0.02	3	172	0.15	2	28	140	2
HOMER_Quiz_1050096	4	63%	0.41	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%	0.23	1	172	0.25	86	31	55	
HOMER_Quiz_1050099	2	71%	0.01	2	172	0.21	9	122	39	2
HOMER_Quiz_1050100	1	84%	0.13	1	172	0.14	144	2	21	5
HOMER_Quiz_1050101	3	53%	0.30	3	172	0.25	13	46	92	21
HOMER_Quiz_1050102	2	67%	0.24	2	172	0.22	9	115	40	8
HOMER_Quiz_1050103	3	72%	0.18	3	172	0.20	15	16	123	18
HOMER_Quiz_1050104	1	87%	0.31	1	172	0.11	150	3	9	10
HOMER_Quiz_1050105	4	82%	0.13	4	172	0.15	5	3	23	141
HOMER_Quiz_1050106	3	65%	0.41	3	172	0.23	4	31	111	26
HOMER_Quiz_1050107	2	72%	0.11	2	172	0.20	0	124	27	21
HOMER_Quiz_1050108	2	52%	0.27	2	172	0.25	8	90	46	28
HOMER_Quiz_1050109	1	77%	0.03	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%	0.34	2	172	0.24	21	103	0	48

Item Statistics

Item ID	Key	Difficulty	PBIS	Mode Choice	Count	Variance	Option Count			
							1	2	3	4
HOMER_Quiz_1050112	3	81%	0.24	3	172	0.16	21	12	139	
HOMER_Quiz_1050113	2	88%	-0.17	2	172	0.10	0	152	11	9
HOMER_Quiz_1050114	2	78%	0.22	2	172	0.17	8	134	5	25
HOMER_Quiz_1050115	4	70%	0.23	4	172	0.21	2	21	29	120
HOMER_Quiz_1050116	4	59%	0.22	4	172	0.24	0	13	58	101
HOMER_Quiz_1050117	3	76%	0.27	3	172	0.18	6	9	131	26
HOMER_Quiz_1050118	1	98%	0.12	1	172	0.02	168	4		
HOMER_Quiz_1050119	4	80%	0.09	4	172	0.16	24	10	0	138
HOMER_Quiz_1050120	3	67%	0.29	3	172	0.22	1	44	115	12
HOMER_Quiz_1050121	3	72%	0.19	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%	0.29	4	172	0.16	29	3	1	139
HOMER_Quiz_1050124	4	60%	0.06	4	172	0.24	4	6	59	103
HOMER_Quiz_1050125	4	66%	0.10	4	172	0.22	16	8	34	114
HOMER_Quiz_1050126	1	81%	0.25	1	172	0.16	139	6	26	1
HOMER_Quiz_1050127	2	90%	0.06	2	172	0.09	0	154	0	18
HOMER_Quiz_1050128	2	88%	0.25	2	172	0.10	20	152		
HOMER_Quiz_1050129	4	51%	0.09	4	172	0.25	26	45	14	87
HOMER_Quiz_1050130	3	68%	0.13	3	172	0.22	46	5	117	4
HOMER_Quiz_1050131	1	96%	0.01	1	172	0.04	165	5	0	2
HOMER_Quiz_1050132	2	45%	0.11	2	172	0.25	12	77	67	16
HOMER_Quiz_1050133	4	67%	-0.00	4	172	0.22	3	2	52	115
HOMER_Quiz_1050134	2	60%	0.26	2	172	0.24	2	104	61	5
HOMER_Quiz_1050135	2	45%	0.01	1	172	0.25	83	77	6	6
HOMER_Quiz_1050136	3	69%	0.08	3	172	0.22	49	1	118	4
HOMER_Quiz_1050137	2	69%	0.15	2	172	0.21	3	119	10	40
HOMER_Quiz_1050138	2	83%	0.31	2	172	0.14	2	143	8	19
HOMER_Quiz_1050139	4	52%	0.24	4	172	0.25	3	9	70	90
HOMER_QUIZ_1050240	3	59%	0.23	3	172	0.24	0	3	102	67
HOMER_QUIZ_1050241	3	52%	0.23	3	172	0.25	73	5	90	4
HOMER_QUIZ_1050242	3	61%	0.23	3	172	0.24	37	7	105	23
HOMER_QUIZ_1050243	1	81%	-0.01	1	172	0.15	140	6	26	
HOMER_QUIZ_1050244	2	75%	0.21	2	172	0.19	13	129	4	26
HOMER_QUIZ_1050245	3	17%	0.11	4	172	0.14	38	47	30	57
HOMER_QUIZ_1050246	1	50%	0.21	1	172	0.25	86	0	55	31
HOMER_QUIZ_1050247	1	49%	0.14	1	172	0.25	85	3	82	2
HOMER_QUIZ_1050248	1	88%	0.20	1	172	0.11	151	17	3	1
HOMER_QUIZ_1050249	4	85%	0.02	4	172	0.12	0	1	24	147
HOMER_QUIZ_1050250	3	81%	0.25	3	172	0.15	4	7	140	21
HOMER_QUIZ_1050251	1	27%	0.03	3	172	0.20	46	5	92	29
HOMER_QUIZ_1050252	2	92%	0.15	2	172	0.07	5	159	1	7
HOMER_QUIZ_1050253	3	85%	0.00	3	172	0.12	14	5	147	6
HOMER_QUIZ_1050254	4	74%	0.28	4	172	0.19	0	1	43	128
HOMER_QUIZ_1050255	1	68%	0.37	1	172	0.22	117	5	50	
HOMER_QUIZ_1050256	3	39%	0.04	3	172	0.24	40	3	67	62
HOMER_QUIZ_1050257	3	82%	0.41	3	172	0.15	2	24	141	5
HOMER_QUIZ_1050258	2	90%	0.21	2	172	0.09	7	154	9	2
HOMER_QUIZ_1050259	4	72%	0.29	4	172	0.20	5	34	9	124
HOMER_QUIZ_1050260	2	33%	0.25	4	172	0.22	2	57	41	72
HOMER_QUIZ_1050261	3	70%	0.18	3	172	0.21	52	0	120	
HOMER_QUIZ_1050262	3	81%	0.10	3	172	0.16	15	11	139	7
HOMER_QUIZ_1050263	3	54%	0.26	3	172	0.25	7	7	93	65

Item Statistics

Item ID	Key	Difficulty	PBIS	Mode Choice	Count	Variance	Option Count			
							1	2	3	4
HOMER_QUIZ_1050264	1	50%	0.17	1	172	0.25	86	73	11	2
HOMER_QUIZ_1050265	4	73%	0.28	4	172	0.20	1	1	44	126
HOMER_QUIZ_1050266	4	74%	0.20	4	172	0.19	5	10	29	128
HOMER_QUIZ_1050267	3	72%	0.18	3	172	0.20	1	24	124	23
HOMER_QUIZ_1050268	3	51%	0.08	3	172	0.25	7	18	87	60
HOMER_QUIZ_1050269	1	100%	0.00	1	172	0.00	172			
HOMER_QUIZ_1050270	3	58%	0.22	3	172	0.24	18	43	100	11
HOMER_QUIZ_1050271	3	65%	0.15	3	172	0.23	3	19	112	38
HOMER_QUIZ_1050272	4	70%	0.30	4	172	0.21	32	1	19	120
HOMER_QUIZ_1050273	1	87%	-0.08	1	172	0.12	149	4	17	2
HOMER_QUIZ_1050274	2	77%	0.29	2	172	0.18	23	133	4	12
HOMER_QUIZ_1050275	2	66%	0.29	2	172	0.23	5	113	6	48
HOMER_QUIZ_1050276	1	71%	0.19	1	172	0.21	122	16	23	11
HOMER_QUIZ_1050277	1	83%	0.22	1	172	0.14	142	0	30	
HOMER_QUIZ_1050278	1	52%	0.21	1	172	0.25	89	36	30	17
HOMER_QUIZ_1050279	2	48%	0.38	1	172	0.25	86	83	0	3
HOMER_QUIZ_1050280	4	72%	0.24	4	172	0.20	1	3	44	124
HOMER_QUIZ_1050281	1	43%	0.20	1	172	0.25	74	44	8	46
HOMER_QUIZ_1050282	3	77%	0.01	3	172	0.18	5	33	132	2
HOMER_QUIZ_1050283	4	60%	0.12	4	172	0.24	5	7	57	103
HOMER_QUIZ_1050284	3	58%	0.33	3	172	0.24	29	37	99	7
HOMER_QUIZ_1050285	1	83%	0.11	1	172	0.14	143	17	10	2
HOMER_QUIZ_1050286	3	83%	0.33	3	172	0.14	3	22	142	5
HOMER_QUIZ_1050287	4	77%	0.05	4	172	0.18	20	4	16	132
HOMER_QUIZ_1050288	2	84%	0.01	2	172	0.13	5	145	2	20
HOMER_QUIZ_1050289	3	65%	0.29	3	172	0.23	20	24	112	16
HOMER_QUIZ_1050290	4	65%	0.33	4	172	0.23	9	33	19	111
HOMER_QUIZ_1050291	1	63%	0.02	1	172	0.23	109	27	12	24
HOMER_QUIZ_1050292	3	58%	0.24	3	172	0.24	29	4	100	39
HOMER_QUIZ_1050293	1	70%	0.20	1	172	0.21	120	12	39	1
HOMER_QUIZ_1050294	4	72%	0.26	4	172	0.20	31	3	15	123
HOMER_QUIZ_1050295	2	67%	0.11	2	172	0.22	18	116	6	32
HOMER_QUIZ_1050296	3	94%	0.12	3	172	0.05	2	4	162	4
HOMER_QUIZ_1050297	1	83%	0.07	1	172	0.14	143	18	7	4
HOMER_QUIZ_1050298	4	28%	0.22	3	172	0.20	3	19	102	48
HOMER_QUIZ_1050299	3	59%	0.12	3	172	0.24	8	38	101	25
HOMER_QUIZ_1050300	4	45%	0.21	3	172	0.25	9	5	81	77
HOMER_QUIZ_1050301	2	95%	0.12	2	172	0.05	3	163	5	1
HOMER_QUIZ_1050302	4	49%	0.18	4	172	0.25	14	6	68	84
HOMER_QUIZ_1050303	2	46%	0.19	4	172	0.25	0	79	9	84
HOMER_QUIZ_1050304	3	85%	0.05	3	172	0.13	1	6	146	19
HOMER_QUIZ_1050305	2	67%	0.22	2	172	0.22	18	115	29	10
HOMER_QUIZ_1050306	3	77%	0.20	3	172	0.18	8	32	132	
HOMER_QUIZ_1050307	3	95%	0.19	3	172	0.04	3	4	164	1
HOMER_QUIZ_1050308	2	94%	0.14	2	172	0.05	7	162	3	
HOMER_QUIZ_1050309	4	72%	0.29	4	172	0.20	40	9	0	123
HOMER_QUIZ_1050310	3	49%	0.05	3	172	0.25	57	16	84	15
HOMER_QUIZ_1050311	1	92%	0.14	1	172	0.07	159	12	1	
HOMER_QUIZ_1050312	3	88%	0.14	3	172	0.10	4	7	152	9