

Item Analysis Report

MED521 GI Final Exam

Descriptive Statistics

Number of Candidates:	162	Variance:	51.42
Number of Items:	90	Standard Deviation:	7.17
		Standard Error of Measurement:	3.35
Min Score:	50/89 (56%)	Reliability Measurement:	0.782
Max Score:	87/89 (98%)	Pass Score:	58/89 (65%)
Mean Score:	72/89 (81%)	Pass Rate:	159/162 (98%)

Discrimination/Difficulty Table

PBIS	> 70											
	60-69											
	50-59											
	40-49							3	1		4	
	30-39					2	3	5	7	4	21	
	20-29					1	5	6	6	9	27	
	10-19	1			1		1	4	7	9	23	
	0-9			1	1			2		7	11	
	< 0									3	3	
	TOTAL	1		1	2		3	9	20	21	32	90
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	> 90	TOTAL
Difficulty Level												

Fail/Pass (need title)

	Fail	PM - 2 SEM	PM - 1 SEM	PM + 1 SEM	PM + 2 SEM	Pass
Raw	2	1	0	12	15	132
%	1%	1%	0%	7%	9%	81%

PM = Passing Mark
SEM = Standard Error of Measurement

Frequency Distribution

Score	Freq	%-ile	cum-%
50	2	0.62	1.23
51	0	1.23	1.23
52	1	1.54	1.85
53	0	1.85	1.85
54	0	1.85	1.85
55	0	1.85	1.85
56	0	1.85	1.85
57	0	1.85	1.85
58	2	2.47	3.09
59	1	3.40	3.70
60	1	4.01	4.32
61	8	6.79	9.26
62	3	10.19	11.11
63	2	11.73	12.35
64	10	15.43	18.52
65	3	19.44	20.37
66	2	20.99	21.60
67	6	23.46	25.31
68	4	26.54	27.78
69	3	28.70	29.63
70	7	31.79	33.95
71	11	37.35	40.74
72	11	44.14	47.53
73	7	49.69	51.85
74	10	54.94	58.02
75	9	60.80	63.58
76	6	65.43	67.28
77	17	72.53	77.78
78	8	80.25	82.72
79	3	83.64	84.57
80	7	86.73	88.89
81	4	90.12	91.36
82	6	93.21	95.06
83	3	95.99	96.91
84	2	97.53	98.15
85	1	98.46	98.77
86	1	99.07	99.38
87	1	99.69	100.00

Item Statistics

Item ID	Key	Difficulty	PBIS	Mode Choice	Count	Variance	Option Count				
							1	2	3	4	5
HOMER_Quiz_1044963	4	77%	0.38	4	162	0.18	18	16	4	124	
HOMER_Quiz_1045052	3	68%	0.26	3	162	0.22	23	25	110	4	
HOMER_Quiz_1045147	5	85%	0.23	5	162	0.13	0	17	1	7	137
HOMER_Quiz_1044965	1	99%	0.09	1	162	0.01	161	0	0	0	1
HOMER_Quiz_1044966	2	68%	0.15	2	162	0.22	1	110	25	12	14
HOMER_Quiz_1044967	5	98%	0.08	5	162	0.02	1	2	0	0	159
HOMER_Quiz_1044968	4	96%	0.36	4	162	0.04	1	2	1	156	2
HOMER_Quiz_1045005	4	93%	0.09	4	162	0.07	6	1	5	150	
HOMER_Quiz_1045148	1	99%	-0.00	1	162	0.01	160	1	1		
HOMER_Quiz_1044969	4	94%	0.12	4	162	0.05	1	6	0	153	2
HOMER_Quiz_1045007	1	77%	0.27	1	162	0.18	125	1	1	13	22
HOMER_Quiz_1045008	3	85%	0.10	3	162	0.13	10	12	138	0	2
HOMER_Quiz_1045149	1	70%	0.29	1	162	0.21	114	9	4	35	
HOMER_Quiz_1044970	2	81%	0.32	2	162	0.15	26	132	0	0	4
HOMER_Quiz_1045010	3	91%	0.35	3	162	0.08	6	1	147	2	6
HOMER_Quiz_1044971	3	88%	0.23	3	162	0.10	8	0	143	6	5
HOMER_Quiz_1045011	2	97%	0.27	2	162	0.03	1	157	4		
HOMER_Quiz_1045012	3	95%	0.37	3	162	0.05	0	3	154	5	
HOMER_Quiz_1044972	4	80%	0.24	4	162	0.16	4	6	22	129	1
HOMER_Quiz_1044973	3	77%	0.50	3	162	0.18	2	16	124	0	20
HOMER_Quiz_1045013	5	93%	0.12	5	162	0.07	1	2	4	5	150
HOMER_Quiz_1045014	3	72%	0.20	3	162	0.20	8	8	117	29	
HOMER_Quiz_1045015	4	78%	0.14	4	162	0.17	0	6	30	126	
HOMER_Quiz_1044974	4	78%	0.11	4	162	0.17	0	7	24	127	4
HOMER_Quiz_1044975	4	79%	0.33	4	162	0.17	13	5	2	128	14
HOMER_Quiz_1044976	3	96%	0.18	3	162	0.04	1	1	156	4	
HOMER_Quiz_1044977	3	86%	0.13	3	162	0.12	4	1	140	4	13
HOMER_Quiz_1045016	5	83%	0.44	5	162	0.14	2	5	3	18	134
HOMER_Quiz_1045150	1	96%	0.21	1	162	0.04	156	1	1	4	
HOMER_Quiz_1045017	2	39%	0.08	1	162	0.24	80	63	15	1	3
HOMER_Quiz_1044979	2	93%	0.20	2	162	0.07	0	150	1	5	6
HOMER_Quiz_1045018	2	67%	0.31	2	162	0.22	3	108	44	7	
HOMER_Quiz_1044980	1	70%	0.25	1	162	0.21	113	0	2	27	20
HOMER_Quiz_1045019	1	70%	0.18	1	162	0.21	114	9	18	21	
HOMER_Quiz_1045020	3	98%	-0.03	3	162	0.02	3	0	159		
HOMER_Quiz_1045151	1	69%	0.24	1	162	0.21	112	4	1	24	21
HOMER_Quiz_1044982	4	95%	0.29	4	162	0.05	1	0	7	154	
HOMER_Quiz_1045152	2	57%	0.33	2	162	0.25	16	92	48	6	
HOMER_Quiz_1044983	3	88%	0.37	3	162	0.11	10	8	142	0	2
HOMER_Quiz_1045022	1	79%	0.24	1	162	0.17	128	16	12	6	
HOMER_Quiz_1044984	4	90%	0.10	4	162	0.09	13	1	2	146	
HOMER_Quiz_1045045	3	86%	0.15	3	162	0.12	10	10	139	3	
HOMER_Quiz_1045046	3	83%	0.33	3	162	0.14	22	6	134		
HOMER_Quiz_1045047	1	87%	0.32	1	162	0.11	141	11	6	0	4
HOMER_Quiz_1045153	4	81%	0.25	4	162	0.15	6	16	8	132	
HOMER_Quiz_1044985	2	31%	0.18	2	162	0.21	35	50	26	44	7
HOMER_Quiz_1044986	3	75%	0.03	3	162	0.19	0	0	122	36	4
HOMER_Quiz_1044987	1	85%	0.26	1	162	0.13	137	6	14	4	1
HOMER_Quiz_1044988	4	85%	0.13	4	162	0.13	1	2	20	137	2
HOMER_Quiz_1044989	2	98%	0.28	2	162	0.02	2	158	1	1	
HOMER_Quiz_1044990	5	80%	0.34	5	162	0.16	1	2	21	8	130
HOMER_Quiz_1045024	4	95%	0.29	4	162	0.05	1	3	2	154	2

Item Statistics

Item ID	Key	Difficulty	PBIS	Mode Choice	Count	Variance	Option Count				
							1	2	3	4	5
HOMER_Quiz_1045025	1	77%	0.42	1	162	0.18	124	32	5	1	
HOMER_Quiz_1044991	3	74%	0.40	3	162	0.19	2	7	120	10	23
HOMER_Quiz_1045026	5	89%	0.18	5	162	0.10	2	0	6	10	144
HOMER_Quiz_1044992	4	69%	0.39	4	162	0.21	2	29	3	112	16
HOMER_Quiz_1045154	3	17%	N/A	2	162	0.00	18	116	28		
HOMER_Quiz_1045048	2	96%	0.29	2	162	0.04	0	155	2	0	5
HOMER_Quiz_1045155	4	63%	0.38	4	162	0.23	55	1	4	102	
HOMER_Quiz_1045156	3	59%	0.33	3	162	0.24	18	21	95	28	
HOMER_Quiz_1045157	3	93%	0.29	3	162	0.07	7	2	150	3	
HOMER_Quiz_1044995	2	71%	0.10	2	162	0.21	2	115	30	15	
HOMER_Quiz_1045158	4	97%	0.04	4	162	0.03	0	2	3	157	
HOMER_Quiz_1045028	1	86%	0.13	1	162	0.12	139	5	0	11	7
HOMER_Quiz_1045159	3	99%	0.24	3	162	0.01	0	0	161	1	
HOMER_Quiz_1045030	5	98%	0.18	5	162	0.02	0	4	0	0	158
HOMER_Quiz_1045031	3	67%	0.23	3	162	0.22	10	2	108	26	16
HOMER_Quiz_1045160	4	90%	0.07	4	162	0.09	7	2	7	146	
HOMER_Quiz_1045033	1	6%	0.11	4	162	0.06	10	46	33	73	
HOMER_Quiz_1045034	2	91%	0.16	2	162	0.08	9	147	0	1	5
HOMER_Quiz_1045161	4	82%	0.15	4	162	0.15	4	21	4	133	
HOMER_Quiz_1044997	1	77%	0.37	1	162	0.18	125	4	5	26	2
HOMER_Quiz_1044998	4	96%	0.20	4	162	0.04	1	0	3	156	2
HOMER_Quiz_1044999	1	66%	0.23	1	162	0.22	107	15	34	5	1
HOMER_Quiz_1045035	5	57%	0.22	5	162	0.24	11	1	9	48	93
HOMER_Quiz_1045000	3	84%	0.27	3	162	0.13	11	8	136	6	1
HOMER_Quiz_1045001	4	100%	0.00	4	162	0.00	0	0	0	162	
HOMER_Quiz_1045162	1	96%	0.14	1	162	0.04	155	1	5	1	
HOMER_Quiz_1045002	5	26%	0.10	1	162	0.19	69	17	31	3	42
HOMER_Quiz_1045051	1	92%	0.35	1	162	0.07	149	8	3	2	
HOMER_Quiz_1045163	3	88%	0.31	3	162	0.11	1	16	142	3	
HOMER_Quiz_1045038	2	85%	0.37	2	162	0.13	8	138	4	8	4
HOMER_Quiz_1045039	1	93%	0.23	1	162	0.07	150	3	5	1	3
HOMER_Quiz_1045040	2	76%	0.24	2	162	0.18	17	123	17	3	2
HOMER_Quiz_1045041	2	75%	0.34	2	162	0.19	19	122	5	15	1
HOMER_Quiz_1045042	3	96%	-0.01	3	162	0.04	1	4	155	0	2
HOMER_Quiz_1045164	4	94%	0.18	4	162	0.06	3	3	1	152	3
HOMER_Quiz_1045165	2	80%	0.18	2	162	0.16	12	129	13	0	8
HOMER_Quiz_1045166	2	75%	0.38	2	162	0.19	29	121	3	9	
HOMER_Quiz_1045167	2	84%	0.22	2	162	0.13	8	136	14	4	

Enhanced Item Statistics

Item Stats		Option Stats							
			NO.	Omits	1	2	3	4	5
ID:	HOMER_Quiz_1044963	TOTAL	164	0	86%	2%	10%	0%	2%
Key:	1	HIGH	164	0	95	0	3	0	3
Diff:	0.86	MID	68	0	94	1	2	0	0
PBIS:	0.32	LOW	57	0	70	4	23	0	4
Var:	0.18	Test Score Means			14	13	13	0	14
ID:	HOMER_Quiz_1045052	TOTAL	164	0	4%	0%	0%	0%	95%
Key:	5	HIGH	164	0	5	0	0	0	95
Diff:	0.95	MID	68	0	3	0	0	0	97
PBIS:	0.02	LOW	57	0	5	0	0	2	93
Var:	0.26	Test Score Means			14	0	0	13	14
ID:	HOMER_Quiz_1045147	TOTAL	164	0	9%	7%	32%	20%	32%
Key:	3	HIGH	164	0	8	0	51	21	21
Diff:	0.32	MID	68	0	7	4	31	25	32
PBIS:	0.28	LOW	57	0	12	16	21	12	39
Var:	0.07	Test Score Means			13	13	15	14	14
ID:	HOMER_Quiz_104965	TOTAL	164	0	5%	5%	73%	12%	5%
Key:	3	HIGH	164	0	3	0	92	3	3
Diff:	0.73	MID	68	0	6	3	75	13	3
PBIS:	0.39	LOW	57	0	5	11	58	18	9
Var:	0.02	Test Score Means			13	13	15	13	13