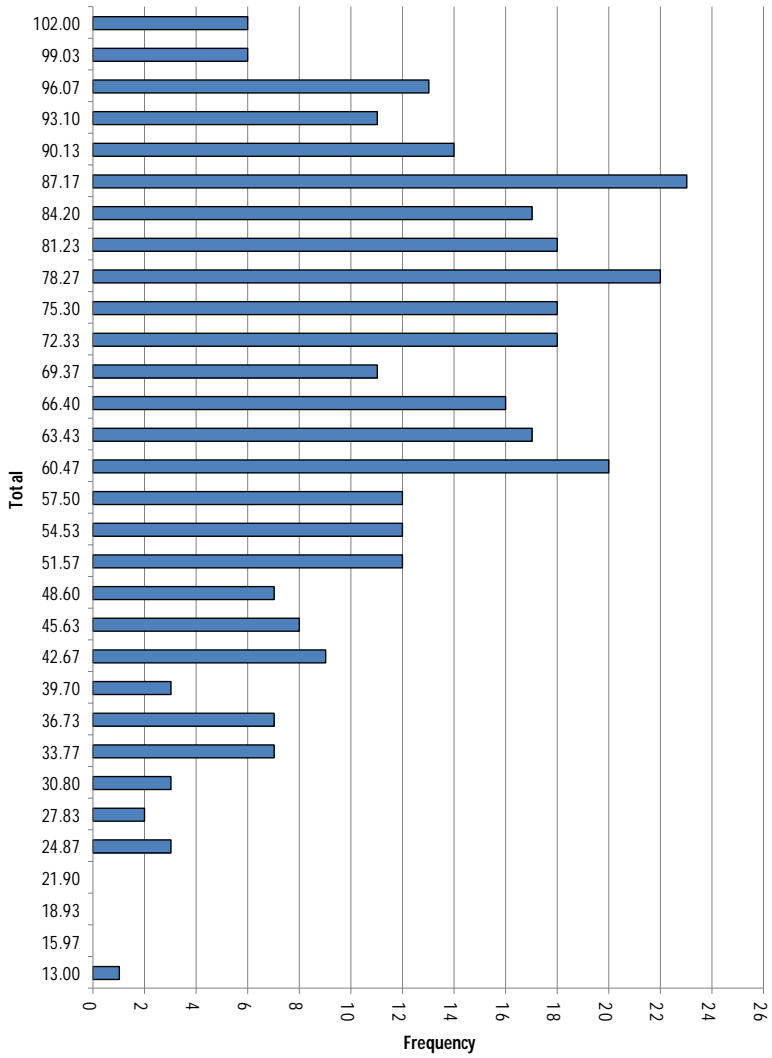
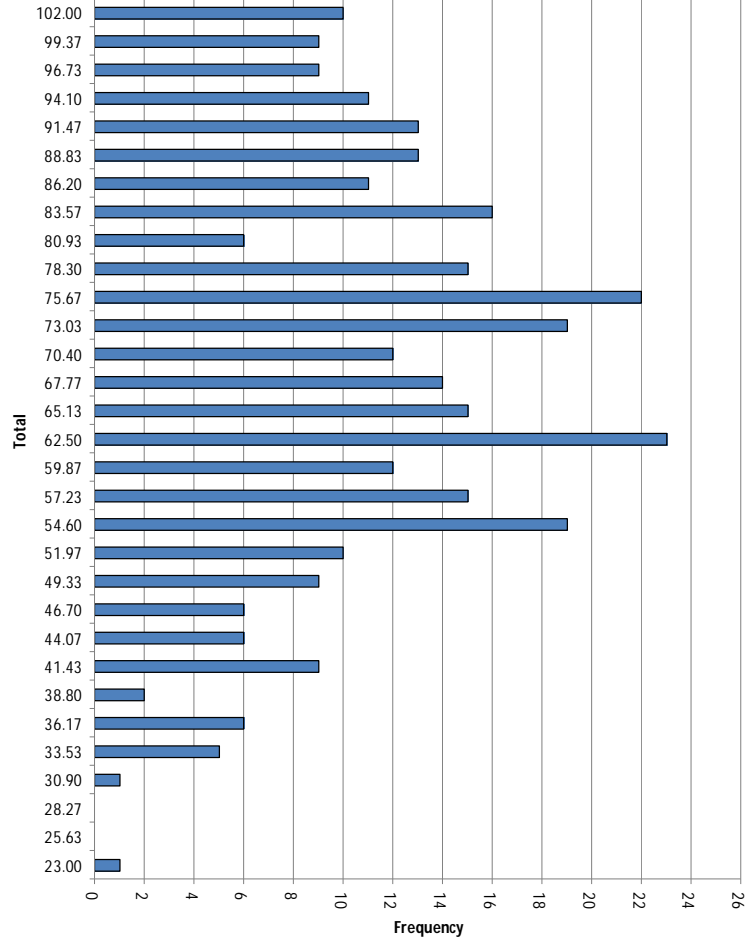


PHYS 1110 EXAM 1 VER. 1 DESSAU 10/05/09



PHYS 1110 EXAM 1 VER. 2 DESSAU 10/05/09



Exam 1 version 0001

ITEM	RESPONSE FREQUENCY						DIFFICULTY ANALYSIS				DISCRIMINATION ANALYSIS				
	A	B	C	D	E	OTHER	NO. RIGHT	NO. WRONG	% RIGHT	% WRONG	HI LO DIF	% DISCRM	CHI SQUARE	PHI	POINT BISER
1	221 * 146/75	40 1/39	50 10/40	5 1/4	0 0/0	0 0/0	221	95	69.9	30.1	71	44.9	73.75	0.48	0.57
2	0 0/0	4 0/4	308 * 157/151	4 1/3	0 0/0	0 0/0	308	8	97.5	2.5	6	3.8	3.21	0.10	0.22
3	129 61/68	96 33/63	90 * 64/26	0 0/0	0 0/0	1 0/1	90	226	28.5	71.5	38	24.1	21.27	0.26	0.32
4	73 11/62	73 31/42	167 * 115/52	3 1/2	0 0/0	0 0/0	167	149	52.8	47.2	63	39.9	48.82	0.39	0.48
5	249 * 138/111	11 1/10	36 14/22	17 4/13	3 1/2	0 0/0	249	67	78.8	21.2	27	17.1	12.80	0.20	0.32
6	19 1/18	19 3/16	15 1/14	19 6/13	243 * 146/97	1 1/0	243	73	76.9	23.1	49	31.0	41.04	0.36	0.50
7	237 * 143/94	8 1/7	6 1/5	15 4/11	49 9/40	1 0/1	237	79	75.0	25.0	49	31.0	38.89	0.35	0.46
8	211 * 146/65	33 2/31	6 0/6	66 10/56	0 0/0	0 0/0	211	105	66.8	33.2	81	51.3	91.28	0.54	0.60
9	2 0/2	161 * 109/52	139 46/93	14 3/11	0 0/0	0 0/0	161	155	50.9	49.1	57	36.1	39.71	0.35	0.41
10	5 0/5	86 18/68	162 * 127/35	63 13/50	0 0/0	0 0/0	162	154	51.3	48.7	92	58.2	104.89	0.58	0.61
11	7 2/5	19 1/18	11 3/8	270 * 151/119	7 0/7	2 1/1	270	46	85.4	14.6	32	20.3	24.45	0.28	0.41

12	11 2/9	52 2/50	246 * 153/93	7 1/6	0 0/0	0 0/0	246	70	77.8	22.2	60	38.0	63.88	0.45	0.62
13	214 * 149/65	33 4/29	48 4/44	18 1/17	1 0/1	2 0/2	214	102	67.7	32.3	84	53.2	99.73	0.56	0.63
14	279 * 153/126	12 0/12	7 1/6	16 4/12	0 0/0	2 0/2	279	37	88.3	11.7	27	17.1	20.69	0.26	0.37
15	155 * 110/45	39 14/25	61 16/45	58 18/40	1 0/1	2 0/2	155	161	49.1	50.9	65	41.1	51.87	0.41	0.50
16	17 3/14	242 * 142/100	40 8/32	15 5/10	0 0/0	2 0/2	242	74	76.6	23.4	42	26.6	29.66	0.31	0.43

* ONLY 1 CORRECT ANSWER IS SHOWN HERE. ALTERNATE ANSWERS, THOUGH SCORED, ARE NOT REFLECTED ON THIS REPORT.

X NUMBER OF STUDENTS SELECTING OPTION

Y/Z NUMBER FROM TOP HALF OF THE CLASS BY TOTAL SCORE / NUMBER FROM BOTTOM HALF

PHYS 1110 EXAM 1 VER. 1 DESSAU 10/05/09

SUMMARY ANALYSIS OF THE TEST

MEAN SCORE..... 68.36

STANDARD DEVIATION..... 18.82

STANDARD ERROR OF MEASUREMENT.. 8.87

AVERAGE DIFFICULTY (PCT ERROR). 31.67

AVERAGE ITEM CHI SQUARE..... 47.87

KUDER-RICHARDSON 20..... 0.78

CORRELATION OF ODD-EVEN SCORES.
0.65

SPEARMAN BROWN FORMULA..... 0.79

SPEARMAN BROWN CORRECTED R2....
0.88

Exam 1 version 0002

ITEM	RESPONSE FREQUENCY						DIFFICULTY ANALYSIS				DISCRIMINATION ANALYSIS				
	A	B	C	D	E	OTHER	NO. RIGHT	NO. WRONG	% RIGHT	% WRONG	HI LO DIF	% DISCRM	CHI SQUARE	PHI	POINT BISER
1	8 1/7	225 * 146/79	32 6/26	54 7/47	0 0/0	0 0/0	225	94	70.5	29.5	67	42.0	64.30	0.45	0.57
2	6 0/6	309 * 160/149	4 0/4	0 0/0	0 0/0	0 0/0	309	10	96.9	3.1	11	6.9	8.42	0.16	0.29
3	144 59/85	78 30/48	97 * 71/26	0 0/0	0 0/0	0 0/0	97	222	30.4	69.6	45	28.2	28.28	0.30	0.39
4	74 9/65	58 23/35	4 0/4	182 * 127/55	1 1/0	0 0/0	182	137	57.1	42.9	72	45.1	63.46	0.45	0.50
5	243 * 141/102	6 2/4	4 1/3	23 4/19	43 12/31	0 0/0	243	76	76.2	23.8	39	24.5	23.95	0.27	0.36
6	9 1/8	6 1/5	21 5/16	252 * 150/102	29 3/26	2 0/2	252	67	79.0	21.0	48	30.1	40.35	0.36	0.38
7	236 * 147/89	3 2/1	4 0/4	12 1/11	64 10/54	0 0/0	236	83	74.0	26.0	58	36.4	51.55	0.40	0.46
8	216 * 145/71	64 12/52	8 0/8	31 3/28	0 0/0	0 0/0	216	103	67.7	32.3	74	46.4	75.00	0.48	0.53
9	2 0/2	175 * 115/60	13 1/12	128 44/84	0 0/0	1 0/1	175	144	54.9	45.1	55	34.5	36.17	0.34	0.44
10	4 1/3	66 16/50	115 35/80	133 * 108/25	0 0/0	1 0/1	133	186	41.7	58.3	83	52.0	85.83	0.52	0.60
11	3	287 * 12/52	12	12	5	0	287	32	90.0	10.0	33	20.7	33.60	0.32	0.38

	0/3	160/127	0/12	0/12	0/5	0/0									
12	262 *	10	12	35	0	0	262	57	82.1	17.9	52	32.6	53.78	0.41	0.53
	157/105	0/10	1/11	2/33	0/0	0/0									
13	32	27	244 *	13	0	3	244	75	76.5	23.5	52	32.6	43.99	0.37	0.48
	5/27	3/24	148/96	3/10	0/0	1/2									
14	258 *	25	20	15	0	1	258	61	80.9	19.1	32	20.1	18.48	0.24	0.33
	145/113	4/21	7/13	3/12	0/0	1/0									
15	168 *	54	57	37	0	3	168	151	52.7	47.3	66	41.4	52.27	0.40	0.45
	117/51	24/30	12/45	5/32	0/0	2/1									
16	253 *	14	39	12	0	1	253	66	79.3	20.7	31	19.4	16.30	0.23	0.30
	142/111	4/10	10/29	4/8	0/0	0/1									

X NUMBER OF STUDENTS SELECTING OPTION

Y/Z NUMBER FROM TOP HALF OF THE CLASS BY TOTAL SCORE / NUMBER FROM BOTTOM HALF

MEAN SCORE..... 68.87

STANDARD DEVIATION..... 17.81

STANDARD ERROR OF MEASUREMENT.. 9.20

AVERAGE DIFFICULTY (PCT ERROR). 30.64

AVERAGE ITEM CHI SQUARE..... 43.48

KUDER-RICHARDSON 20..... 0.73

CORRELATION OF ODD-EVEN SCORES.

0.61

SPEARMAN BROWN FORMULA..... 0.76

SPEARMAN BROWN CORRECTED R2....

0.86