

Student	Theory													Data		Obs									
	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	O-D	O-T	Th	DA	Obs	Tot				
ARM-1	10	3.6	0	2	9.5	13.4	6	13	0	5.6	15.7	3.5	25	18.6	7	44	21	107.3	25.6	70.32	203.22	B	51.07		
ARM-2	8	10	5	9.8	4	17.9	18	15	8	12.5	38.2	3.5	0	24.9	16.5	46	14	149.9	41.4	61.59	252.89	B	63.55		
ARM-3	7	10	7	2	7.5	9.8	2	15	0	13	6.4	1.5	26	18	34	20	14	107.2	52	38.65	197.85	B	49.72		
ARM-4	8.25	1.6	3	1	0	4.5	0	2.5	4	0	11.4	10	0	8	10	23.5	3	46.25	18	25.24	89.49		22.49		
ARM-5	0	8.8	5.5	3	0	5.6	2	3.5	0	0	27.5	5	0	4	4	9	23	60.9	8	42.44	111.34		27.98		
AZE-1	9	1.2	0	1	0	6.6	5	15	2	4.6	13.6	5	0	7.2	0	15	21	63	7.2	44.74	114.94		28.88		
AZE-2	9.5	7.2	1	2	3.6	3.5	3	3.5	0	0	25.4	17	0	0	13.2	20.5	11.5	75.7	13.2	35.34	124.24		31.22		
AZE-3	8.7	6	6	9.6	0	5.8	7	15	1	5.3	20.2	15	4.5	22.2	22.05	25	8	104.1	44.25	34.06	182.41	H	45.84		
AZE-4	5.5	2	2	2	2	13.65	3	13	3	8.4	25.8	11	1	27.5	17.1	19	22.5	92.35	44.6	50.51	187.46	H	47.11		
AZE-5	8	4	0	2	5.6	4	0	15	0	0	16.5	21	0	10	8	5	2	76.1	18	7.41	101.51		25.51		
BGD-1	0.75	8	0	0	2	7.2	3	0	3	0	10.8	7	0	6.5	17.5	17.5	29	41.75	24	58.94	124.69		31.33		
BGD-2	5.05	9.6	1	1	0	12.3	4	1	5	0	24.5	9	1	8	18.5	15	29	73.45	26.5	56.74	156.69		39.37		
BGD-3	4.75	2	4	1	1.5	5.2	5	2	2	2.6	12	3	2	13	10.3	8.5	24.5	47.05	23.3	44.25	114.60		28.80		
BGD-4	7.5	4.1	7	0	3	11.3	0	0	0	8	17.3	14	0	11.5	8	11	27	72.2	19.5	50.21	141.91		35.66		
BGD-5	0.8	2.6	4	2	0	7	2	0	3	0	20.2	13	1	11.5	9.5	7	13	55.6	21	25.68	102.28		25.70		
BGR-1	9	6	6	3	10	11.3	9	13	14	11.65	30	43.5	15	42.5	36.4	41	38	181.45	78.9	93.18	353.53	G	88.84		
BGR-2	10	10	3.6	10	0	12	6	15	20	13	17.6	8	10	33	41.6	41	21	135.2	74.6	67.68	277.48	S	69.73		
BGR-3	4.5	9	7	0	0	11.8	0	0	20	0	29.6	17	1	15	6	42.5	41	99.9	21	99.00	219.90	B	55.26		
BGR-4	9.1	5	2	4	6	7.3	4	12.5	17	7.5	19.2	20	2	42.1	34.2	45	36	115.6	76.3	93.71	285.61	S	71.77		
BGR-5	10	10	4	9.8	10	14.3	19	15	0	14.5	37	16.5	34	45	52.1	22	35	194.1	97.1	71.91	363.11	G	91.25		
BRA-1	10	8	10	1	5	10	20	3	17	12.6	41.8	17	15	24.4	14.6	68	18	170.4	39	87.00	296.40	S	74.48		
BRA-2	7.75	7	3	1	0	10	4	0	15	1.5	16.6	9	5.5	18.5	36.6	33	22.5	80.35	55.1	62.87	198.32	B	49.84		
BRA-3	7.25	3.5	0	8	0	6.6	15	15	7	12.2	34.8	23	18.5	9	19.6	23.5	20	150.85	28.6	50.74	230.19	B	57.84		
BRA-4	9	4	7	2	0	10.8	20	15	3	15.8	36.8	3	0	36.15	18.1	41	28	126.4	54.25	78.18	258.83	S	65.04		
BRA-5	6.5	1.6	4	8	7.5	7.8	20	3	15	15.45	32.8	27.6	29.5	35.2	29.2	41	27	178.75	64.4	76.68	319.83	G	80.37		
BRA-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
CAN-1	10	10	7	10	9.5	17.9	20	15	0	13	24	34	0	41	74.8	49	39	170.4	115.8	101.74	387.94	G	97.48	BD	
CAN-10	9.5	8	2	3	0	8.8	0	14	0	0	16.8	10	0	38.4	17	6	21	72.1	55.4	36.79	164.29		41.29		
CAN-2	9	10	7	3	5.3	19.5	20	0	7	2.4	7	3	0	42.5	35.7	31.5	34	93.2	78.2	78.79	250.19	B	62.87		
CAN-3	8.5	10	5	2	6	8.55	6	2.5	0	6.4	19	0	0	37	33.6	16	14	73.95	70.6	35.12	179.67	H	45.15		
CAN-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
CAN-5	8	5	3	10	0	18.3	4	8.5	6	0	37	15	12.5	33.6	28	62	27	127.3	61.6	95.21	284.11	S	71.39	BN	
CAN-6	9.5	5.6	1.5	4	0	4.6	0	2	3	0	28	0.5	4	26.8	11	34.5	15.5	62.7	37.8	53.69	154.19		38.75		
CAN-7	9.8	7.2	3	2	3.2	15.6	19	15	13	8.5	31	12	14	36	21.8	31.5	38	153.3	57.8	84.79	295.89	S	74.36		
CAN-8	0	3.2	0	2	0	4	2	1	0	0	3	3	0	8.2	8	26.5	23	18.2	16.2	57.88	92.28		23.19		
CAN-9	9	10	7.5	2	0	20	20	0	3	1.5	4.8	1	0	8.7	20.4	43.5	18	78.8	29.1	65.38	173.28		43.54		

Student	Theory													Data		Obs							
	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	O-D	O-T	Th	DA	Obs	Tot		
COL-1	8	1.6	1	1	0	5.1	0	0	0	1	9.1	3.5	4	23.55	11.8	25	8	34.3	35.35	34.06	103.71	26.06	
COL-2	2	4	0	0	0	4	0	0	0	0	1	5	0.5	0	12	8	8	16.5	12	19.06	47.56	11.95	
COL-3	0	0	0	2	0	4	0	0	0	1	1.5	9	0	7.6	10.5	9	3	17.5	18.1	12.44	48.04	12.07	
COL-4	2	0	0	1	0	2	0	0	0	0	7.4	3	0	12.3	6.9	3	3	15.4	19.2	7.15	41.75	10.49	
COL-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CYP-1	9.05	4.5	6	1	2.4	7.9	6	2.5	0	0.4	15	3	0	30.2	8	20	25.5	57.75	38.2	55.90	151.85	38.16	
CYP-2	9	2	0	2	0	9	2	0	2	0	2.6	4	0	31.9	7	32	3	32.6	38.9	32.74	104.24	26.19	
CYP-3	10	8	10	2	0	12.8	18	0	19	0	18	7	0	37.2	8	29.5	21	104.8	45.2	57.53	207.53	B 52.15	
CYP-4	9.5	1.6	2	2	0	7.1	2	1	2	0	7.5	10	2	22.95	2	29	5.5	46.7	24.95	33.84	105.49	26.51	
CYP-5	9	6.8	0	2	0.5	5.6	2	3	0	0	0	0.5	0	1.7	15.8	15.5	0	29.4	17.5	13.68	60.58	15.22	
CZE-1	10	10	0	0	2	10	0	15	0	0	36.5	7.5	25	15	38.2	50.5	30	116	53.2	89.56	258.76	S 65.02	
CZE-2	8	2	0	2	1.2	5.2	12	3.5	5	14.1	0	0	0	5	19.8	69	16	53	24.8	84.88	162.68	H 40.88	
CZE-3	9.9	4	7	3	7	10	20	3	6	0	22.5	8	0	23.4	30.3	39	26	100.4	53.7	73.41	227.51	B 57.17	
CZE-4	10	0	0	9.8	0	0	3	15	0	0	16	17	26	23.1	36.2	59.5	34	96.8	59.3	103.50	259.60	S 65.23	
CZE-5	8.5	6	10	2	1	15	20	0	13	7	19.8	10.5	0	23.8	39.3	63	29	112.8	63.1	99.09	274.99	S 69.10	
DEU-1	10	7.2	10	10	10	6.9	19	14	19	10.6	34.8	27	24.3	28.9	56.4	37	33	202.8	85.3	82.15	370.25	G 93.04	
DEU-2	9.5	3.6	7	1	4.1	6.4	4	2	18	12.6	30.9	5	2	30	42.4	43.5	38	106.1	72.4	95.38	273.88	S 68.82	
DEU-3	5.5	1	1.5	8	9.5	16.9	18	6	0	16.3	31	9	14	22.6	37.65	39	28.5	136.7	60.25	77.16	274.11	S 68.88	
DEU-4	3.5	8.8	5	2	0	9.1	6	1	5	4.2	30.9	4	13.5	43	42.8	22	15.5	93	85.8	42.66	221.46	B 55.65	
DEU-5	5.5	5.6	8.5	2	8.4	6.3	20	0	4	12.6	26.2	10	6.5	13.5	46.4	40.5	44	115.6	59.9	101.74	277.24	S 69.67	
EST-1	5.8	1	0	2	0	10	3	1	0	0	22.4	5	0	9.6	29.2	16	26	50.2	38.8	53.12	142.12	35.71	
EST-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EST-3	0	1.6	0	0	0	4	4	0	4	1	24.2	6	0	4.6	23	8	4.8	44.8	27.6	14.26	86.66	21.78	
EST-4	0	3	0	0	0	3	2	0	0	0	11.5	0	0	11.85	7.8	24.5	28	19.5	19.65	63.62	102.77	25.82	
EST-5	9.5	7	2.5	5	0	6	20	13	6	0	26	5	3	17	28.2	34	35	103	45.2	82.50	230.70	B 57.97	
GBR-1	10	8	9	8	4	18.3	10	3	18	3.8	27	25	4	29.34	37.5	40.5	38	148.1	66.84	92.74	307.68	S 77.32	
GBR-2	9.3	7	7	0	0	15.1	6	2	0	4	19	15	5	38.3	31.5	35	31	89.4	69.8	77.38	236.58	B 59.45	
GBR-3	8	4	3	2	4.5	18.5	10	1.5	0	11.25	30.8	18.5	1	38.35	30	31	28	113.05	68.35	69.35	250.75	B 63.01	
GBR-4	10	10	7	0	1	12.3	11	3.5	5	16.35	37.2	9.5	3	41.98	51.8	41.5	10	125.85	93.78	51.62	271.25	S 68.16	
GBR-5	9	10	3	1	9	18.9	20	10	12	0	17	2.6	4	33.5	35	49	27	116.5	68.5	83.74	268.74	S 67.53	
GEO-1	9.7	0	4	2	7	0	0	15	0	0	26.1	29.5	27.5	29.5	23.6	28	0	120.8	53.1	24.71	198.61	B 49.91	
GEO-2	8.3	6.6	0	3	9	11.5	0	15	0	0	29.5	16	25	3	33	23	3	123.9	36	24.79	184.69	H 46.41	
GEO-3	0	0	1	1	9	10.1	0	13	0	4.5	41.4	5.5	18	5.4	18	32	32	103.5	23.4	76.24	203.14	B 51.05	
GEO-4	5.4	2	0	3	4.3	6.6	4	15	0	3.3	20	18	4.25	14.62	11.5	24	14	85.85	26.12	42.18	154.15	38.74	
GEO-5	5	3.6	0	2	10	6.1	0	14	0	11.9	18.2	18.5	13.75	24	12	12	15	103.05	36	33.09	172.14	H 43.26	
GRC-1	10	10	4	2	0	10.5	5	0	6	14.3	18.8	4.5	0	21.98	14	28	28	85.1	35.98	66.71	187.79	47.19	

Student	Theory													Data		Obs									
	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	O-D	O-T	Th	DA	Obs	Tot				
GRC-2	8	4	2	2	6	9.1	0	1	0	9	34.3	11.5	7	18.4	31.9	22.5	21	93.9	50.3	51.35	195.55	H	49.14		
GRC-3	7.75	6	2.4	1	0	11.4	20	0	0	6.6	22.5	3.5	0	35.68	18.4	42.5	19.5	81.15	54.08	66.75	201.98	B	50.76		
GRC-4	4	4	7.5	2	0	7.9	5	0	2	5.1	7	2	8	17	17.5	17	8.5	54.5	34.5	27.75	116.75		29.34		
GRC-5	9	10	6	0	0	4.6	0	0	0	0	32.6	10	0	23.05	9	23	13	72.2	32.05	39.79	144.04		36.20		
HRV-1	6.5	8.8	4	10	8.5	1	0	5	0	12.5	27	11	23.5	41.5	46	12	4	117.8	87.5	16.59	221.89	B	55.76		
HRV-2	8.5	3.6	5.5	1	0	5.6	1	0	0	5.5	13	1	1.4	4.4	6	10	5	46.1	10.4	16.32	72.82		18.30		
HRV-3	0	7.2	5.5	2	0.5	4.4	3	0	0	2.4	11.6	0	0	5.2	22	7	17	36.6	27.2	31.68	95.48		23.99		
HRV-4	0	0	0	0	0	5.5	2	0	0	0	0	9	0	31.8	6	20	17	16.5	37.8	43.15	97.45		24.49		
HRV-5	9.5	7.2	7	0	5.5	8.1	5	1	0	0	16	0	0	3	11	16	19	59.3	14	42.62	115.92		29.13		
HUN-1	4	7	0	0	3.4	13	20	13	19	12.85	33.8	0	0	41	16	38	35	126.05	57	86.03	269.08	S	67.62		
HUN-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
HUN-3	9	7	4	2	4.6	6	6	1	0	8.3	30.5	0	0	41.5	24	24	38	78.4	65.5	78.18	222.08	B	55.81		
HUN-4	10	7.2	7	2	6.3	9	2	5	0	1.8	26	15	0	37.1	23	9	38	91.3	60.1	64.94	216.34	B	54.36		
HUN-5	6.75	4	3	1.5	4	5.6	4	0	2	0	19.5	7.5	2	16.5	35.7	30	14	59.85	52.2	47.47	159.52		40.09		
IND-1	9.3	4.8	5.5	10	10	5	0	15	3	16.2	25	15.5	18	36.2	48.8	20	34	137.3	85	68.65	290.95	S	73.11		
IND-2	10	6	7	5	0	20	0	14	13	19.6	27.4	15.8	12	30.9	45.8	24.5	31	149.8	76.7	68.12	294.62	S	74.03		
IND-3	8.5	10	7	10	10	5.8	8	15	9	19.8	29.4	8	14	34.8	64	32	41	154.5	98.8	89.74	343.04	G	86.20		
IND-4	10	10	0	10	10	14.1	2	15	17	0	22.2	11	32	44.5	53.7	30.5	41	153.3	98.2	88.41	339.91	G	85.42		
IND-5	7.6	10	0	9	10	16	14	14	1	18.6	32	46.5	8.5	40.7	50.6	28	40.5	187.2	91.3	85.46	363.96	G	91.46		
IRN-1	10	9.2	9	2	4	18	20	15	20	14.8	25.8	13	38	39.2	66.9	55	27	198.8	106.1	89.03	393.93	G	98.99		
IRN-10	10	8.5	7	9	0	12.1	20	12	5	12.4	12.5	6.5	26.5	31.9	21.2	55	27	141.5	53.1	89.03	283.63	S	71.27		
IRN-2	7	0	7	4	4	10	20	14	20	18.2	29.8	8	14	32.7	33.8	72	35	156	66.5	116.03	338.53	G	85.07		
IRN-3	10	10	10	7	10	17.9	20	15	20	20	31.4	12	27	33.7	46.5	51	30	210.3	80.2	90.00	380.50	G	95.62		
IRN-4	8	10	9	8	0	13.6	20	15	20	18	44.8	14.8	16	29.47	46	48	32	197.2	75.47	90.35	363.02	G	91.22		
IRN-5	4.9	9.6	8	3	2	4.6	17	15	18	15.4	22	30.6	27	45	43.8	31	27	177.1	88.8	67.85	333.75	G	83.87		
IRN-6	8	10	10	10	8	10	20	15	20	0	0	24.5	27	43	23.7	56	36	162.5	66.7	103.41	332.61	G	83.58		
IRN-7	8.4	8.2	4	2	1.6	19	20	15	20	19.6	24.4	12	0	23.1	34.6	62.5	33	154.2	57.7	104.65	316.55	G	79.55		
IRN-8	9	10	10	3.5	9	17.6	20	14	20	19	29	25.5	5	36.8	69.4	46	30	191.6	106.2	85.59	383.39	G	96.34		
IRN-9	9.5	9.8	6.6	10	6.1	14.1	20	14	20	18.6	29.7	16	26	33	36.9	58	27	200.4	69.9	91.68	361.98	G	90.96		
KAZ-1	9.5	8	7	10	9	11.9	20	15	17	0	33.8	29	11	45	51.5	23.5	8.5	181.2	96.5	33.49	311.19	G	78.20		
KAZ-2	9	8	0	1	0	2	3	0.5	4	0	14.4	0	0	14.3	7	28.5	11	41.9	21.3	41.65	104.85		26.35		
KAZ-3	0	0	0	0	0	0	2	0	0	0	0	0	0	2	3.2	39.5	20	2	5.2	64.85	72.05		18.11		
KAZ-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	3	0	6	15.09	21.09		5.30		
KAZ-5	0	0	0	1	0	0	2	0	0	0	0	0	0	0	5	10	17	3	5	34.32	42.32		10.64		
KOR-1	9.25	5	2	1.5	0	13	13	10	3	4	11.8	3	0	22.1	15.2	36.5	27.5	75.55	37.3	73.46	186.31	H	46.82		
KOR-2	7.9	10	3.2	2	10	12	20	15	14	0	41.8	37	15	43.4	48.67	48.5	24.5	187.9	92.07	79.54	359.51	G	90.34		

BS

Student	Theory													Data		Obs		Th	DA	Obs	Tot		
	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	O-D	O-T						
KOR-3	9	4	4	2	5.5	7.6	20	1.5	4	2	26.8	12	5.1	34	48.6	35	23.5	103.5	82.6	66.13	252.23	B	63.38
KOR-4	9.5	6	7	3	10	12.8	0	10	14	2	38.4	11	5	50.35	49.85	39.5	27.5	128.7	100.2	76.10	305.00	S	76.64
KOR-5	9	7.2	7	2	6	14.7	15	15	12	9	22.6	3	2	33.2	32.15	33.5	24.5	124.5	65.35	66.31	256.16	S	64.37
LTU-1	1	7.2	6	1	2	9.5	6	0.5	2	0	26	0.5	0	10.4	9.5	7	35	61.7	19.9	58.68	140.28		35.25
LTU-2	2.5	3	6	2	1	1	3	0	4	0	0	0	0	6.4	8.5	16	20	22.5	14.9	44.12	81.52		20.48
LTU-3	1.5	0	0	1	0	4.1	5	0	2	0	6.6	3	0	2	6.5	25.5	32	23.2	8.5	70.50	102.20		25.68
LTU-4	0	0	7	0	0	5.9	1	1	0	0	7	4	0	15.72	8	36	4	25.9	23.72	37.76	87.38		21.96
LTU-5	1	3.6	0	0	0	6.6	1	0	3	0	9.8	1.5	0	6.74	5.5	22	9	26.5	12.24	32.91	71.65		18.01
LVA-1	2	0	4	0	0	3	2	0	2	0	0	0	0	2	15	10.5	27	13	17	49.76	79.76		20.04
LVA-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
LVA-3	10	7.6	0	2	2	4.6	0	1	0	1.5	20.6	7	2.5	4.25	12.5	32	24	58.8	16.75	64.24	139.79		35.13
LVA-4	9.4	10	4	3	4.5	3	2	1	2	0	0	0	0	38.05	7	31	26	38.9	45.05	66.35	150.30	H	37.77
MYS-1	4	2	5	0	0	5.5	3	0	5	0	1	3	0	20.3	5	44	0	28.5	25.3	38.82	92.62		23.28
MYS-2	9	3.2	0	0	0	13.3	0	14	0	12.5	14.8	10	19	32.2	32	42	18	95.8	64.2	64.06	224.06	B	56.30
MYS-3	10	6	2	3	1.3	12.5	20	0	16	1	19.4	5.5	4.5	41.3	51	30	6	101.2	92.3	35.47	228.97	B	57.54
MYS-4	10	7.2	6	2	5	12	0	15	0	4.5	22	3.5	4	30.65	36.35	44	35	91.2	67	91.32	249.52	B	62.70
MYS-5	9	2	4.7	2	1.8	12.8	0	3.5	4	0	17.8	4	0	41.25	40.8	28	13	61.6	82.05	44.21	187.86	H	47.21
NOR-1	0	2	0	1	0	9.5	2	0	0	0	0	0	0	0.4	8.3	5	32	14.5	8.7	52.41	75.61		19.00
NOR-2	4	0	6	0	0	4	0	0	2	0	6.9	0	0	1.25	9	24.5	0	22.9	10.25	21.62	54.77		13.76
NOR-3	2	0	0	0	0	4	0	0	0	0	5.2	0	0	2.85	6	2.5	8	11.2	8.85	14.21	34.26		8.61
NOR-4	3	4.8	0	0	0	0	2	0	1	0	0	0	0	4.2	9	6	24	10.8	13.2	41.29	65.29		16.41
NOR-5	0	2	0	1	0	2	0	0	0	0	0	0	0	3	7	3	0	5	10	2.65	17.65		4.43
NPL-1	1	0	0	1	0	5.1	3	0	0	0	16.4	3	0	8.45	7	10	10	29.5	15.45	23.82	68.77		17.28
NPL-2	4	2	5	2	0	6.65	4	0	0	0	7.6	2	2	15.5	7	22	20	35.25	22.5	49.41	107.16		26.93
NPL-3	7.25	1	7	0	0	5.6	19	1	2	0	7.8	0.5	0	24.8	4	18.5	31	51.15	28.8	62.82	142.77		35.88
NPL-4	0	0	0	0	0	5.5	0	0	0	3.3	9	0	3	5.5	7	11.5	9	20.8	12.5	23.65	56.95		14.31
NPL-5	1.25	1	5	2	0	5.6	14	3	0	0	7.6	7	0	21.8	21	39	21	46.45	42.8	65.91	155.16	H	38.99
PAK-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PAK-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PAK-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PAK-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PAK-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
POL-1	7	10	6.2	3	0	13.6	13	0.5	4	0	17.2	0.5	0	5.5	16	44.5	38	75	21.5	96.26	192.76	H	48.44
POL-2	7	8	3	3	9	19	19	3	4	11	27.8	4	0	14.5	19	27	30	117.8	33.5	68.82	220.12	B	55.31
POL-3	10	8	7	2	10	5.75	3	13	18	13	33.4	11	16	18.5	40.5	41	38	150.15	59	93.18	302.33	S	75.97
POL-4	0	5.6	0	3	3	4.55	0	10	0	0	15.2	0	15.5	9.45	13	38	41	56.85	22.45	95.03	174.33	H	43.81

Student	Theory													Data		Obs								
	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	O-D	O-T	Th	DA	Obs	Tot			
POL-5	9	6	4	0	0	3	0	0	4	12.75	34	14	4	18.9	11	18	28	90.75	29.9	57.88	178.53	44.86		
PRT-1	4	1	0	2	0	3	3	0	0	0	3	1	0	11.2	5	5	3	17	16.2	8.91	42.11	10.58		
PRT-2	3	0	0	0	0	0	3	0	0	0	3	0	0	5.7	4	8	0	9	9.7	7.06	25.76	6.47		
PRT-3	10	7.2	4	9.8	10	5.6	0	12.5	0	2	34	0	7	42.9	35.55	15	8	102.1	78.45	25.24	205.79	B 51.71		
PRT-4	3	0	3	1	0	4	2	0	0	3	2	0	0	4	6	8.5	15	18	10	30.00	58.00	14.57		
PRT-5	6.5	1.6	1.5	1	0	3	4	0	0	0	2	0	0	4.8	7	19	17	19.6	11.8	42.26	73.66	18.51		
ROU-1	10	3.2	3	10	2	10.2	6	15	2	12.75	30	19	24.5	37.9	8.4	27.5	14.5	147.65	46.3	46.01	239.96	B 60.30		
ROU-10	0.5	4.8	4	2	0	8.1	18	0	1	3	20.8	6	0	12.95	13	68	20.5	68.2	25.95	90.75	184.90	H 46.46		
ROU-2	9.5	7.2	7	2	9	5.5	11	15	0	5.5	24.3	11	13.75	26.9	13.5	31	11.5	120.75	40.4	44.60	205.75	B 51.70		
ROU-3	9.8	10	6	9.8	10	19.2	9	14	20	17.6	36.6	45	26	35.4	51.2	30.5	28.5	233	86.6	69.66	389.26	G 97.82		
ROU-4	2	2	0	2	4	11	9	15	0	19.1	28	8	26.5	27.9	9	25.5	11.5	126.6	36.9	39.75	203.25	B 51.07		
ROU-5	10	10	4	9.8	10	20	20	15	20	11.05	38	46.1	46	27.7	68.2	34	21.5	259.95	95.9	62.25	418.10	G 105.06 W, BT		
ROU-6	10	2	7	2	0	6.1	15	15	0	0	20.8	10.5	3	29.2	13	35	27	91.4	42.2	71.38	204.98	B 51.51		
ROU-7	7.8	10	7	2	0	18	10	3	3	0	24	11	11.5	29.1	28.8	50	36	107.3	57.9	98.12	263.32	S 66.17		
ROU-8	8	4	1	2	0	4.6	17	0	4	6.3	24.6	11	11	23.1	9.8	44	22.5	93.5	32.9	72.57	198.97	B 50.00		
ROU-9	4	5.6	8	3	6	8.6	3	9	2	1	23.6	8	3.75	10.3	39	20	22	85.55	49.3	50.65	185.50	46.61		
SGP-1	10	10	7	2	2.2	20	20	15	2	12.6	42	10	8	36	30	65	44	160.8	66	123.35	350.15	G 87.99 BO		
SGP-2	10	7.2	1.5	2	5.3	4	20	15	12	13	29	6.5	0	4.4	33.7	55.5	27	125.5	38.1	89.47	253.07	B 63.59		
SGP-3	10	7	8.5	2	10	16.8	18	15	17	12.5	38.8	12.5	30.5	28.6	61.3	43.5	26.5	198.6	89.9	78.13	366.63	G 92.13		
SGP-4	10	10	7.5	1	10	20	9	15	3	17.2	42	19	33	38.7	41.8	46.4	38	196.7	80.5	97.94	375.14	G 94.27		
SGP-5	7.75	6.4	9	10	6	16.7	20	1.5	3	4.2	33.8	23	14	19.6	34	49	16	155.35	53.6	67.24	276.19	S 69.40		
SRB-1	0	4	0	2	0	5.6	8	0	19	0	12.6	0	0	6	6	13.5	0	51.2	12	11.91	75.11	18.87		
SRB-2	7	0	7	1	0.5	3	3	0	0	0	5.6	0	0	4	6	9	8	27.1	10	19.94	57.04	14.33		
SRB-3	9	1.6	0	1	0	2	0	0	2	0	16.2	0	0	0	36	10.5	11	31.8	36	25.76	93.56	23.51		
SRB-4	8	2	0	2	0	4.6	0	0	0	0	0	0	0	12.3	6	6	4	16.6	18.3	11.29	46.19	11.61		
SRB-5	0	0	0	1	0	2	2	3	0	0	12.8	0	0	3	26	19	11	20.8	29	33.26	83.06	20.87		
SVK-1	10	4	6	3	8.3	18.6	2	15	16	7	27.4	17	9.5	29.5	24.1	24.5	38	143.8	53.6	78.62	276.02	S 69.36		
SVK-2	6.5	7	0	1.8	1	10	6	0	3	0	18.6	4	0	9.6	9	33	38	57.9	18.6	86.12	162.62	H 40.86		
SVK-3	7	5	7	0	1.5	5.6	3	0.5	3	1.5	17.6	7	4	14.3	13.5	4.5	38	62.7	27.8	60.97	151.47	38.06		
SVK-4	9.25	2	6.2	2	4	5.9	1	0	0	3	14.5	7	0	21.8	10.5	13	4	54.85	32.3	17.47	104.62	26.29		
SVK-5	9.5	4	7	1	0	4.6	7	0	2	5.6	20.6	7	0	5.6	18.1	32.5	27	68.3	23.7	69.18	161.18	40.50		
SVN-1	0	10	7	1	0	7	18	2	0	7	18	3	0	21.7	15.1	33	30	73	36.8	74.12	183.92	H 46.22		
SVN-2	8	9.6	2	1	1.3	11.4	14	1.5	20	19.5	16.3	17	19	27.8	17.5	34	38	140.6	45.3	87.00	272.90	S 68.58		
SVN-3	10	8	0	1.8	3.5	5.5	20	12	0	12	14.8	0	12	23.4	10	37	29.5	99.6	33.4	76.90	209.90	B 52.74		
SVN-4	8.5	10	4	1	6	18.8	20	14	13	12.5	42	11	29	42.5	43.7	38	41	189.8	86.2	95.03	371.03	G 93.24		
SVN-5	2	10	9	7.8	10	5.6	5	10	4	15.5	13.6	7	14	36.7	47.2	52	35	113.5	83.9	98.38	295.78	S 74.33		

Sheet1

Student	Theory													Data		Obs							
	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	O-D	O-T	Th	DA	Obs	Tot		
SWE-1	9.5	3.6	5	1	0	9.6	5	0	0	0	21.5	5	0	16.7	6.5	12	35	60.2	23.2	63.09	146.49	36.81	
SWE-2	9	7.2	3	1	0.5	6.5	0	0	2	0	13.6	4	0	23.2	6	7	21	46.8	29.2	37.68	113.68	28.57	
SWE-3	0	4	0	2	0	3	2	0	0	0	9	0	0	1.4	18.7	0	20	20	20.1	30.00	70.10	17.62	
SWE-4	2.5	4	4	2	0	2.5	2	0	0	0	2	0	0	8	11.7	18.5	0	19	19.7	16.32	55.02	13.83	
SWE-5	9	7	6	2	6	5.4	2	1	0	4.5	13	0	0	31.2	19	11	21	55.9	50.2	41.21	147.31	37.02	
THA-1	5.4	7.2	0	9	0	13.7	20	7.5	17	0	20.9	17.4	1	36.1	41.2	54	21	119.1	77.3	79.15	275.55	S 69.24	
THA-2	1.9	1.6	2	1	0	4.6	14	0	3.2	8.85	9.7	1.5	0	20.5	19	44	23	48.35	39.5	73.32	161.17	H 40.50	
THA-3	8.75	4	7	3	2.3	4.6	11	2	0	8.6	28	13	0	28	24	37	33	92.25	52	82.15	226.40	B 56.89	
THA-4	7	10	4	3	3	11.5	20	13	0	9.5	26	4	0	20.9	36.8	51	9	111	57.7	58.50	227.20	B 57.09	
THA-5	9.5	8	7	2	0.4	17	20	15	20	11	29.9	17.4	0	26.8	38	62	0	157.2	64.8	54.71	276.71	S 69.53	
UKR-1	8	7.2	1.5	2	6	15.2	10	4	16	4.5	29.4	5	27	18.3	19.8	5.5	24	135.8	38.1	40.85	214.75	B 53.97	
UKR-10	0	1.6	4	0	0	2.7	2	0	2	0	12	0	0	1	5	17.5	3	24.3	6	19.94	50.24	12.63	
UKR-2	8	9.2	0	2	4.5	11.4	7	15	1	13.75	27.6	14	8.5	38.1	30.3	14	35	121.95	68.4	64.85	255.20	S 64.13	
UKR-3	7.7	6	4	10	4	8.1	3	1	8	0	10	11	2	29.4	10.8	14	3	74.8	40.2	16.85	131.85	33.13	
UKR-4	8	6	1	10	5	2	0	2	13	2	26.6	9	16.5	19	28.8	28	13	101.1	47.8	44.21	193.11	H 48.53	
UKR-5	8.5	7.6	7	1	9	14.9	20	0	6	5.1	28.8	10	0	31.8	18	31	13	117.9	49.8	46.85	214.55	B 53.91	
UKR-6	2	3.2	3	1	0	5.8	7	2	0	2	3.5	1	7.5	1.4	7.67	20	3	38	9.07	22.15	69.22	17.39	
UKR-7	9	2	1.6	2	3	2.9	0	1	3	4.3	5.3	4.5	10	18.1	13.5	9	14	48.6	31.6	28.94	109.14	27.43	
UKR-8	1	9.2	4	9.8	9	5.4	0	15	3	13	24.2	45	0.5	17.1	24.4	16	26	139.1	41.5	53.12	233.72	B 58.73	
UKR-9	0	2.6	2.5	1	0	5.9	4	1	1	1.6	4.6	0	3	9.4	5	17	17	27.2	14.4	40.50	82.10	20.63	
USA-1	9.3	6	6.1	2	5	9.6	20	11	3	4.8	17	10	12	33.3	39.3	48	11	115.8	72.6	58.85	247.25	B 62.13	
USA-10	9.5	8	7	2	0	10	20	15	8	3	26.5	3	0	38.6	45.1	15.5	14	112	83.7	34.68	230.38	B 57.89	
USA-2	9.9	6	9	1	9	8.6	20	7	17	4	23.5	16	3.5	23.25	27.75	39	32	134.5	51	82.41	267.91	S 67.32	
USA-3	10	10	8	2	5	6.8	17	10	0	12.5	28.3	29	23	41.9	41.5	40	38	161.6	83.4	92.29	337.29	G 84.76	
USA-4	6.5	8	9	9.8	4	9.1	17	15	18	12.5	34.5	19	6	44.2	43.85	18	32	168.4	88.05	63.88	320.33	G 80.50	
USA-5	9	6	4	10	7	3	20	14	1	11.1	21.6	35.5	15	42	20.3	18	26	157.2	62.3	54.88	274.38	S 68.95	
USA-6	10	9.2	7	2	8	20	18	15	17	0	29.6	15.5	3	38.9	47.5	24	24	154.3	86.4	57.18	297.88	S 74.85	
USA-7	9	4.1	0	2	0.5	6.35	19	1	17	9.5	37	3	1.2	18.5	50.4	43	24	109.65	68.9	73.94	252.49	B 63.45	
USA-8	10	3	4	1	2.5	7.1	3	4	5	5.5	19	6	7.5	11.7	60.5	16	41	77.6	72.2	75.62	225.42	B 56.65	
USA-9	10	10	5.5	9	10	20	20	15	14	13	42	28.1	45	38.1	59	29	29	241.6	97.1	69.09	407.79	G 102.47	
VNM-1	9.3	1.6	2	3	0	10.8	2	15	7	20	19.9	27	3.5	9.94	8.5	36.5	22	121.1	18.44	65.21	204.75	B 51.45	
VNM-10	6.5	4	6	2	0	4.7	6	0	4	4.8	9.4	3.5	1	24.6	21	21	8	51.9	45.6	30.53	128.03	32.17	
VNM-2	9	4.8	0	2	0	11.4	16	15	0	2.5	22	13	4	28.5	42.7	16.5	20	99.7	71.2	44.56	215.46	B 54.14	
VNM-3	10	7.2	5.5	2	0	9.3	16	15	2	14	27	9	4	41.3	14	34.5	26	121	55.3	69.44	245.74	B 61.75	

Student	Theory													Data		Obs		Th	DA	Obs	Tot		
	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	O-D	O-T						
VNM-4	9	9.6	2	2	0	20	12	15	0	8.1	29.8	9.5	6	40.05	34.5	35.5	22	123	74.55	64.32	261.87	S	65.81
VNM-5	10	6	4	2	0	4.6	6	4	0	5.8	24	17	0	4	11	49.5	3	83.4	15	48.18	146.58		36.83
VNM-6	9	4.2	4.5	3	0	14	3	3	19	5.3	32.2	19.5	5	16.6	14.35	36	35.5	121.7	30.95	85.01	237.66	B	59.72
VNM-7	9	6	7	3	0	14.6	2	1	4	7	26.8	8	5.5	39.28	14	38	30.5	93.9	53.28	79.28	226.46	B	56.91
VNM-8	9	1	0	2	0	4	0	13	4	7	12.4	4	0	19.12	22.5	33	29.5	56.4	41.62	73.37	171.39	H	43.07
VNM-9	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4	0	0	4		1.01

Median 198.97

Online Teams

ARE01																		5	6	0	11.00		2.76		
CHN01																		62	30	134	56	89.32	279.32	S	70.19
CHN02																		48	28	92	41	74.66	207.66	B	52.18
CHN03																		40.5	32	153	55	72.66	280.66	S	70.53
CHN04																		57	39	90	59	95.29	244.29	B	61.39
CHN05																		69	43	145	46	110.50	301.50	S	75.76
ECU01																		8	6	4.5	13	13.98	31.48		7.91
ECU02																		16	9	4	8	24.50	36.50		9.17
ECU03																		20	3	7	3	21.11	31.11		7.82
ECU04																		14	0	3	12.8	12.35	28.15		7.07
INA01																		43	29	93.5	36	71.40	200.90	B	50.48
INA02																		55	33	109	60	86.61	255.61	S	64.23
INA03																		37	21	88.5	32	56.88	177.38		44.57
INA04																		40	42	126.5	62	83.76	272.26	S	68.42
INA05																		25	30	150.5	72	56.67	279.17	S	70.15
PAR01																		3	3	8	5	6.11	19.11		4.80
PAR02																		12	6	12.5	5	17.51	35.01		8.80
PAR03																		4	0	4	5	3.53	12.53		3.15
PAR04																		11	0	3	4	9.71	16.71		4.20
PHI01																		27.5	13	6.75	5.5	39.26	51.51		12.95
PHI02																		17	0	15.05	23	15.00	53.05		13.33
PHI03																		10.5	13	2	21	24.26	47.26		11.88
PHI04																		4	0	8	19	3.53	30.53		7.67
PHI05																		20	10	6.75	21.5	29.19	57.44		14.43