

secret#	one page assignment	Ch1	Ch2	Ch3-a	Ch 4	Ch 5	Ch 6	Ch 7	Ch 8/5	ch9-1	ch9-ii	Ch 10	Lab0	Lab1	Lab2	Lab #3	Lab #4	Lab #5	Lab #6	Lab #7	Lab #8	Lab #9	Lab #10	EXAM #1	EXAM #2	EXAM #3	exam #4	
20	1.0	1.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	100	84	86	51	73	78	89	0	0	97	85	91	76	0	76	
21	1.0	1.0	1.0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	89	100	85	98	94	99	99	100	97	100	92	44	76	79	93	
22	0.7	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	0.8	0.7	1.0	0.5	83	98	75	84	83	88	90	80	10	86	89	95	100	87	90
23	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	100	100	90	98	100	100	98	100	97	100	100	82	85	65	68
25	0.6	1.0	1.0	0.9	1.0	0.8	0.7	1.0	1.0	1.0	0.0	0.0	81	92	90	85	87	88	97	0	81	91	0	89	62	61	79	
26	0.8	1.0	1.0	0.8	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.0	100	100	80	98	97	25	94	0	10	98	94	90	99	88	0	
28	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	98	80	89	0	94	89	84	91	100	98	73	52	59	64	93	
29	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	100	100	95	96	98	100	100	100	98	94	100	85	66	85	88	
30	0.9	1.0	1.0	0.9	0.0	0.8	0.9	1.0	1.0	1.0	0.9	0.7	80	80	54	86	71	72	76	88	51	80	62	86	37	59	65	
31	0.6	1.0	1.0	1.0	1.0	0.6	1.0	1.0	1.0	0.7	1.0	1.0	0.6	90	92	88	84	95	94	92	94	69	97	92	100	103	96	82
32	0.6	1.0	1.0	1.0	0.6	1.0	1.0	1.0	1.0	0.7	0.0	1.0	90	88	0	86	96	91	86	96	85	98	93	55	69	68	88	
33	1.0	1.0	0.0	0.0	0.0	0.4	0.0	0.0	1.0	0.0	0.0	0.0	95	0	0	85	96	87	94	100	0	0	87	0	76	82	59	
34	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	92	98	91	95	100	98	100	96	100	98	98	86	81	79	84	
35	0.7	1.0	1.0	1.0	0.8	0.8	1.0	1.0	0.9	1.0	1.0	0.9	72	83	82	85	92	95	86	98	91	91	94	62	58	71	93	
36	0.8	1.0	1.0	1.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	96	97	93	99	90	98	99	100	10	80	92	72	58	45	38	
37	0.9	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.5	0.8	0.0	98	92	95	91	94	95	96	100	30	85	73	90	100	88	94
38	0.8	1.0	1.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	92	89	88	97	92	71	88	91	75	97	86	72	60	71	77	
39	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.9	100	87	97	93	95	98	97	100	92	85	94	91	98	85	93	
40	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	93	100	91	95	100	100	97	100	80	96	94	79	87	88	67	
41	0.8	1.0	1.0	0.2	1.0	1.0	1.0	1.0	1.0	0.7	1.0	0.0	93	92	0	96	75	100	0	100	95	87	78	77	75	79	0	
42	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	92	91	69	98	97	90	86	91	88	100	0	65	97	73	69	
43	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	97	98	78	92	95	96	99	100	97	100	92	81	74	85	80	
44	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	98	100	86	98	100	94	0	0	87	95	97	96	98	88	91	
45	0.9	1.0	1.0	1.0	0.8	1.0	1.0	0.9	1.0	1.0	1.0	0.9	99	89	90	90	98	92	96	100	49	81	86	76	64	76	62	
46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	0.9	100	95	96	100	99	100	99	100	91	95	97	81	78	82	71	
47	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	86	100	57	95	93	93	98	100	10	87	94	75	79	76	70	
49	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0	0.9	100	100	88	93	100	98	99	100	96	100	95	86	72	82	82	
50	1.0	1.0	1.0	0.0	0.0	0.8	0.6	1.0	1.0	1.0	1.0	0.9	100	100	89	100	100	100	99	100	10	96	97	95	86	97	100	
51	0.9	1.0	1.0	0.3	1.0	0.9	1.0	1.0	0.8	1.0	1.0	0.9	84	95	63	85	90	92	89	92	83	82	92	29	44	49	37	
52	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	95	100	71	88	100	89	100	99	88	91	100	84	75	91	97	
53	0.5	1.0	0.6	0.0	0.0	0.4	0.0	0.3	0.6	0.0	0.8	0.0	89	91	64	30	0	0	0	52	0	84	30	46	32	44	41	
54	0.9	1.0	1.0	0.3	1.0	1.0	1.0	0.9	0.7	1.0	0.3	0.7	68	99	92	96	100	98	94	98	87	93	88	91	110	101	0	
55	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	90	0	80	90	90	0	0	0	0	0	39	35	0	0	
56	1.0	1.0	1.0	0.0	0.8	0.5	0.5	0.0	0.8	0.0	0.0	0.0	87	77	91	85	95	82	90	0	73	0	64	87	54	0	45	
58	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	97	100	100	97	92	96	99	98	76	87	92	91	75	84	74	
59	0.0	1.0	1.0	1.0	0.9	0.8	0.9	0.0	0.0	0.9	1.0	0.9	90	65	62	40	74	80	82	71	54	53	55	21	27	45	40	
60	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	98	92	77	98	70	100	100	100	100	95	94	71	75	73	65	
61	0.6	1.0	0.9	0.9	1.0	1.0	1.0	1.0	0.8	1.0	1.0	0.9	95	100	0	86	96	93	97	0	63	96	93	82	80	67	63	
62	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	98	97	87	88	95	100	96	92	95	95	100	33	51	58	93	
63	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	93	0	88	78	71	64	84	85	77	76	85	59	35	69	67	
64	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	75	87	0	77	74	88	85	92	0	95	94	72	59	72	70	
65	0.7	1.0	1.0	0.9	1.0	0.6	1.0	1.0	1.0	1.0	1.0	0.8	100	90	85	90	74	92	94	97	82	87	98	75	47	70	71	
66	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
													density	kin	proj	f=ma	frict	centrip	energy	momentum	rot dyn	ang mom	torsion					