

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE
M. Sc.(APPLIED PHYSICS)

SEMESTER - I

S. No.	Sub. Code	Subject	Hours per Week			Credits		Th.	CW	SW	Pr.	Total
			L	T	P	T	P					
1	PH 97105	Classical & Statistical Mechanics	4	-	-	4	-	70	30	-	-	100
2	PH 97106	Communication and Digital Electronics	4	-	-	4	-	70	30	-	-	100
3	PH 97107	Electrodynamics & Relativity	4	-	-	4	-	70	30	-	-	100
4	PH 97108	Mathematical Methods and Numerical Analysis	4	-	-	4	-	70	30	-	-	100
5	PH 97173	Analog & Digital Electronics Lab.	-	-	8	-	4	-	-	40	60	100
6	PH 97174	Applied Physics Lab. & Workshop Practice	-	-	8	-	4	-	-	40	60	100
7	PH 97198	Comprehensive Viva	-	-	-	-	4	-	-	-	100	100
Total			16	-	16	16	12	280	120	80	220	700

SEMESTER - II

S. No.	Sub. Code	Subject	Hours per Week			Credits		Th.	CW	SW	Pr.	Total
			L	T	P	T	P					
1	PH 97205	Atomic and Molecular Physics	4	-	-	4	-	70	30	-	-	100
2	PH 97206	Computer Programming	4	-	-	4	-	70	30	-	-	100
3	PH 97207	Quantum Mechanics	4	-	-	4	-	70	30	-	-	100
4	PH 97208	Solid State physics	4	-	-	4	-	70	30	-	-	100
5	PH 97273	Computer program Lab. & Engg. Drawing	-	-	8	-	4	-	-	40	60	100
6	PH 97274	Basic Laser & Fiber Optics Lab.	-	-	8	-	4	-	-	40	60	100
7	PH 97298	Comprehensive Viva.	-	-	-	-	4	-	-	-	100	100
Total			16	0	16	16	12	280	120	80	220	700

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SEMESTER - III

S. No.	Sub. Code	Subject	Hours per Week			Credits		Th.	CW	SW	Pr.	Total
			L	T	P	T	P					
1	PH97305	Nuclear & Particle Physics		-	-	4	-	70	30	-	-	100
2	PH97306	Fiber and Integrated Optics		-	-	4	-	70	30	-	-	100
3	PH97307	Nano Science and Nano Technology				4		70	30	-	-	100
4	PH97308	Lasers & Applications		-	-	4	-	70	30	-	-	100
5	PH97389	Advanced Laser & Fiber Optics Lab.	-	-	8	-	4	-	-	40	60	100
6	PH97390	Optical Communication & Nanomaterials Lab.	-	-	8	-	4	-	-	40	60	100
7	PH97398	Quiz/Assignment / Seminar - III	-	-	-	-	2	-	-	50		50
8	PH97399**	Comprehensive Viva	-	-	-	-	4	-	-		50	50
Total			0	-	16	16	14	280	120	130	170	700

** Virtual Credit

SEMESTER - IV

S. No.	Sub. Code	Subject	Hours per Week			Credits		Theory Marks	
			L	T	P	T	P	CW/SW	END
1	PH97499	Dissertation	-	-	44	-	26	120	180
Total			-	-	44	-	26	120	180