

M.Sc.Physics - III Semester

Theory Code	Title	L	T	P	Total Hrs	Exam. Marks	Mid Sem. Marks	Total Marks	Credits
301	Solidstate Physics	4	1		5	85	15	100	4
302	Lasers and Fiber Optics	4	1		5	85	15	100	4
303	Digital Electronics and MicroProcessors	4	1		5	85	15	100	4
	Special papers								
304	Radar Systems and Satellite communication	4	1		5	85	15	100	4
	Practicals								
305	Digital Electronics Lab Record			6	6	75 25		100	4
306	Solid State Physics lab Record			6	6	75 25		100	4
	Total	16	4	12	32	540	60	600	24

L-Lecture hours, T-Tutorial hours, P-Practical hours

Choice based Paper for other Departments in the University Campus only –

	Analytical Techniques								
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M.Sc.Physics - IV Semester

Theory Code	Title	L	T	P	Total Hrs	Exam. Marks	MidSem. Marks	Total Marks	Credits
401	Advanced Quantum Mechanics	4	1		5	85	15	100	4
402	Properties and Characterization of Materials	4	1		5	85	15	100	4
403	Communication Electronics	4	1		5	85	15	100	4
	Special paper								
404	Antenna theory and radiowave propagation	4	1		5	85	15	100	4
	Practicals								
405	Microprocessor lab Record			6	6	75 25		100	4
406	Communication Lab Record			6	6	75 25		100	4
	Total	16	4	12	32	540	60	600	24

L-Lecture hours, T-Tutorial hours, P-Practical hours

M.Sc. Space Physics - III Semester

Theory Code	Title	L	T	P	Total Hrs	Exam. Marks	Mid Sem. Marks	Total Marks	Credits
301	Aeronomy	4	1		5	85	15	100	4
302	Principles of Plasma Physics and Space Plasmas	4	1		5	85	15	100	4
303	Digital Electronics and MicroProcessors	4	1		5	85	15	100	4
304	Radar Systems and Satellite communication	4	1		5	85	15	100	4
	Practicals								
305	Communication Lab Record			6	6	75 25		100	4
306	Space Physics lab Record			6	6	75 25		100	4
	Total	16	4	12	32	540	60	600	24

L-Lecture hours, T-Tutorial hours, P-Practical hours

Choice based Paper for other Departments in the University Campus only –

	Analytical Techniques								
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M.Sc. Space Physics - IV Semester

Theory Code	Title	L	T	P	Total Hrs	Exam. Marks	Mid Sem. Marks	Total Marks	Credits
401	Ionospheric Radiowave propagation and Sounding Techniques	4	1		5	85	15	100	4
402	Ionospheric Plasma dynamics	4	1		5	85	15	100	4
403	Communication Electronics	4	1		5	85	15	100	4
404	Antenna theory and radiowave propagation	4	1		5	85	15	100	4
405	Project			12	12	150		150	6
	Project Viva-Voce					50		50	2
	Total	16	4	12	32	540	60	600	24

L-Lecture hours, T-Tutorial hours, P-Practical hours