

V.S.M. COLLEGE (AUTONOMOUS)

RAMACHANDRAPURAM

NAAC Re-accredited with 'B' Grade at 2.69 CGPA

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)



M.Sc. PHYSICS

COURSE STRUCTURE

(W.e.f. admitted batch 2019 –20)

V.S.M. COLLEGE (A)::RAMACHANDRAPURAM
DEPARTMENT OF PHYSICS
Course Structure for M.Sc. Physics
(with effect from admitted batch 2019-20)

M.Sc Physics-I semester

Theory code	Title	L	T	P	Tot Hrs	Exam Marks	Mid marks	Total Marks	Credits
PG1912501	Classical Mechanics	4	1		5	75	25	100	4
PG1912502	Introductory Quantum Mechanics	4	1		5	75	25	100	4
PG1912503	Mathematical Methods of Physics	4	1		5	75	25	100	4
PG1912504	Electronic Devices & Circuits	4	1		5	75	25	100	4
PG1912505P	Electronics Lab- I			6	6	75	25	100	4
PG1912506P	Modern Physics Lab-I			6	6	75	25	100	4
	Total	16	4	12	32	450	150	600	24

M.Sc Physics-II semester

Theory code	Title	L	T	P	Tot Hrs	Exam Marks	Mid Marks	Total Marks	Credits
PG1922507	Statistical Mechanics	4	1		5	75	25	100	4
PG1922508	Electrodynamics	4	1		5	75	25	100	4
PG1922509	Numerical Methods & Programming with C	4	1		5	75	25	100	4
PG1922510	Atomic and Molecular Physics	4	1		5	75	25	100	4
PG1922511P	Electronics Lab-II			6	6	75	25	100	4
PG1922512P	Modern Physics Lab-II			6	6	75	25	100	4
	Total	16	4	12	32	450	150	600	24

M.Sc Physics-III semester

Theory code	Title	L	T	P	Tot Hrs	Exam Marks	Mid Marks	Total Marks	Credits
PG1932513	Nuclear & Particle Physics	4	1		5	75	25	100	4
PG1932514	Solid State Physics	4	1		5	75	25	100	4
PG1932515	Lasers & Non-linear Optics	4	1		5	75	25	100	4
PG1932516	Digital Electronics & Microprocessors	4	1		5	75	25	100	4
PG1932517P	Digital Electronics Lab			6	6	75	25	100	4
PG1932518P	Solid State Physics Lab			6	6	75	25	100	4
	Total	16	4	12	32	450	150	600	24

M.Sc Physics-IV semester

Theory code	Title	L	T	P	Tot Hrs	Exam Marks	Mid Marks	Total Marks	Credits
PG1942519	Advanced Quantum Mechanics	4	1		5	75	25	100	4
PG1942520	Properties & Characterization of Materials	4	1		5	75	25	100	4
PG1942521	Communication Electronics	4	1		5	75	25	100	4
PG1942522	Antenna theory & Radio Wave Propagation	4	1		5	75	25	100	4
PG1942523P	Microprocessor Lab			6	6	75	25	100	4
PG1942524P	Communication Electronics Lab			6	6	75	25	100	4
PG1942524P	Comprehensive Viva					100			4
	Total	16	4	12	32	550	150	700	28

L: lecture Hours, T-Tutorial Hours, P-Practical Hours