MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

DEPARTMENT Physics

Semester. I

S.No.	Course Code	Course Title	Course Category	Type	Credit	L	T	P
1.	21PHT501	Classical Mechanics	CORE	CORE	4	3	1	0
2.	21PHT504	Mathematical Physics	CORE	CORE	4	3	1	0
3.	21PHT502	Electronics	CORE	CORE	4	3	1	0
4.	21PHT505	Quantum Mechanics	CORE	CORE	4	3	1	0
5.	21PHP503	Electronics Lab	CORE	CORE	4	0	0	8

Semester. II

S.No.	Course Code	Course Title	Course Category	Type	Credit	L	T	P
1.	21PHT507	Electrodynamics	CORE	CORE	4	3	1	0
2.	21PHT506	Atomic & Molecular Spectroscopy	CORE	CORE	4	3	1	0
3.	21PHT510	Statistical Mechanics	CORE	CORE	4	3	1	0
4.	21PHT508	Nuclear and Particle Physics	CORE	CORE	4	3	1	0
5.	21PHP509	Nuclear Physics & Spectroscopy Lab	CORE	CORE	4	0	0	8

Semester. III

S.No.	Course Code	Course Title	Course Category	Type	Credit	L	T	P
1.	21PHT602	Solid State Physics	CORE	CORE	4	3	1	0
2.	21PHTXXX	Program Elective01	Program Elective	Program Elective	3	3	0	0
3.	21PHTXXX	Program Elective02	Program Elective	Program Elective	3	3	0	0
4.	21PHTXXX	Program Elective03	Program Elective	Program Elective	3	3	0	0
5.	21PHP603	Solid State Physics Lab	CORE	CORE	4	0	0	8
6.	21PHD601	Dissertation1	Dissertation	Dissertation	6	0	0	12

Semester. IV

S.No.	Course Code	Course Title	Course Category	Type	Credit	L	T	P
1.	21PHTXXX	Program Elective04	Program Elective	Program Elective	3	3	0	0
2.	21PHTXXX	Program Elective 05	Program Elective	Program Elective	3	3	0	0
3.	XXX XXX	Open Elective	Open Elective	Open Elective	3	3	0	0
4.	21PHD604	Dissertation2	Dissertation	Dissertation	9	0	0	18