



Semester - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11204107	Advanced Mathematical Physics	5.00	3	-	2	20	-	20	60	-	50	-	100
11204108	Solid State Physics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204109	Atomic and Molecular Physics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204110	Classical Mechanics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204111	Electronics-I	4.00	4	-	-	20	-	20	60	-	50	-	100
11204112	Lab - I (Electronics)	2.00	-	4	-	-	40	-	-	60	-	50	100
11204113	Lab-II(Modern Physics)	2.00	-	4	-	-	40	-	-	60	-	50	100
	Total	25.00	19	8	2								700

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50



Semester - 2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11204157	Quantum Mechanics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204158	Electrodynamics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204159	Nuclear and Particle Physics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204160	Electronics-II	4.00	4	-	-	20	-	20	60	-	50	-	100
11204161	Thermodynamic and Statistical Physics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204162	Lab - 1	2.00	-	4	-	-	40	-	-	60	-	50	100
11204163	Lab - 2	2.00	-	4	-	-	40	-	-	60	-	50	100
11204164	Seminar	2.00	-	-	2	-	-	-	-	50	-	25	50
	Total	26.00	20	8	2								750

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50



Semester - 3

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11204207	Advanced Quantum Mechanics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204208	Computational Techniques in Physics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204209	Materials Science	4.00	4	-	-	20	-	20	60	-	50	-	100
11204210	Classical Electrodynamics and Plasma Physics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204215	Lab-1	2.00	-	4	-	-	40	-	-	60	-	50	100
11204216	Lab-2	2.00	-	4	-	-	40	-	-	60	-	50	100
	Elective - 1 (Compulsory Subjects :1)	4.00	4	-	-	40	-	-	60	-	-	-	100
	Total	24.00	20	8									700

Semester - 3 Elective - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11204211	Condensed Matter Physics	4.00	4	-	-	20	-	20	60	-	50	-	100
11204212	Nanostructured materials and its applications	4.00	4	-	-	20	-	20	60	-	50	-	100
11204213	Luminescence	4.00	4	-	-	20	-	20	60	-	50	-	100
11204214	Physics of Renewable energy	4.00	4	-	-	20	-	20	60	-	50	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50



Semester - 4

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11204253	Physics of Solid State Devices	4.00	4	-	-	20	-	20	60	-	50	-	100
11204254	Experimental and Characterization Techniques	4.00	4	-	-	20	-	20	60	-	50	-	100
11204255	Dissertation	12.00	-	12	-	-	-	100	-	200	-	150	300
	Total	20.00	8	12									500

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50