



SARDAR PATEL UNIVERSITY
Programme - MSc
(Under the Choice based Credit Scheme)
SEMESTER- III
STRUCTURE WITH EFFECT FROM:2018-19



Physics

Course Type	Course Code	Name of Course	T / P	Credit	Exam Duration in hrs	Component of Marks			
						Internal Total/Passing	External Total/Passing	Total Total/Passing	
Core Course	PS03CPHY21	Advanced Quantum Mechanics	T	4	3	30/10	70/28	100/40	
	PS03CPHY22	Nanoscience and Thin-Film Physics	T	4	3	30/10	70/28	100/40	
Elective Course	PS03EPHY21	Crystallography and Materials Science (CMP)	T	4	3	30/10	70/28	100/40	
	PS03EPHY22	Magnetic and Optical Properties of Condensed Matter (CMP)	T	4	3	30/10	70/28	100/40	
	PS03EPHY23	Microwave Communication: Electronics and Technology (EC)	T	4	3	30/10	70/28	100/40	
	PS03EPHY24	Microprocessors: Programming, Interfacing and Applications (EC)	T	4	3	30/10	70/28	100/40	
	PS03EPHY25	Theoretical Physics – I (TCP)	T	4	3	30/10	70/28	100/40	
	PS03EPHY26	Computational Physics – I (TCP)	T	4	3	30/10	70/28	100/40	
	PS03EPHY27	Solar Energy & Geothermal Energy (EST)	T	4	3	30/10	70/28	100/40	
	PS03EPHY28	Wind Energy & Ocean Energy (EST)	T	4	3	30/10	70/28	100/40	
	PS03EPHY29	Practical – I (CMP)	P	4	3	30/10	70/28	100/40	
	PS03EPHY30	Practical – II (CMP)	P	4	3	30/10	70/28	100/40	
	PS03EPHY31	Practical – I (EC)	P	4	3	30/10	70/28	100/40	
	PS03EPHY32	Practical – II (EC)	P	4	3	30/10	70/28	100/40	
	PS03EPHY33	Practical – I (TCP)	P	4	3	30/10	70/28	100/40	
	PS03EPHY34	Practical – II (TCP)	P	4	3	30/10	70/28	100/40	
	PS03EPHY35	Practical – I (EST)	P	4	3	30/10	70/28	100/40	
	PS03EPHY36	Practical – II (EST)	P	4	3	30/10	70/28	100/40	
	PS03EPHY37	Comprehensive Viva-Theory (CMP)			1	Acc. Req.		50/20	50/20
	PS03EPHY38	Comprehensive Viva-Theory (EC)			1	Acc. Req.		50/20	50/20
	PS03EPHY39	Comprehensive Viva-Theory (TCP)			1	Acc. Req.		50/20	50/20
	PS03EPHY40	Comprehensive Viva-Theory (EST)			1	Acc. Req.		50/20	50/20