



SARDAR PATEL UNIVERSITY
Programme - MSc
(Under the Choice based Credit Scheme)
SEMESTER- IV
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	External	Total	
						Total/Passing	Total/Passing	Total/Passing	
Core Course	PS04CPHY21	Nuclear & Particle Physics	T	4	3	30/10	70/28	100/40	
	PS04CPHY22	Advanced Experimental & Characterization Techniques	T	4	3	30/10	70/28	100/40	
Elective Course	PS04EPHY21	Applied Crystallography and Bio – Physics (CMP)	T	4	3	30/10	70/28	100/40	
	PS04EPHY22	Crystal Growth and Imperfections in Solids (CMP)	T	4	3	30/10	70/28	100/40	
	PS04EPHY23	Signal Processing and Satellite Communication (EC)	T	4	3	30/10	70/28	100/40	
	PS04EPHY24	Advanced Solid State Electronic Devices (EC)	T	4	3	30/10	70/28	100/40	
	PS04EPHY25	Theoretical Physics – II (TCP)	T	4	3	30/10	70/28	100/40	
	PS04EPHY26	Computational Physics – II (TCP)	T	4	3	30/10	70/28	100/40	
	PS04EPHY27	Bio – Mass & Other System, Energy Storage (EST)	T	4	3	30/10	70/28	100/40	
	PS04EPHY28	Nuclear Energy & Energy Strategies (EST)	T	4	3	30/10	70/28	100/40	
	PS04EPHY29	Practical – I (CMP)	P	4	3	30/10	70/28	100/40	
	PS04EPHY30	Practical – II (CMP)	P	4	3	30/10	70/28	100/40	
	PS04EPHY31	Practical – I (EC)	P	4	3	30/10	70/28	100/40	
	PS04EPHY32	Practical – II (EC)	P	4	3	30/10	70/28	100/40	
	PS04EPHY33	Practical – I (TCP)	P	4	3	30/10	70/28	100/40	
	PS04EPHY34	Practical – II (TCP)	P	4	3	30/10	70/28	100/40	
	PS04EPHY35	Practical – I (EST)	P	4	3	30/10	70/28	100/40	
	PS04EPHY36	Practical – II (EST)	P	4	3	30/10	70/28	100/40	
	PS04EPHY37	Comprehensive Viva-Theory (CMP)			1	Acc. Req.		50/20	50/20
	PS04EPHY38	Comprehensive Viva-Theory (EC)			1	Acc. Req.		50/20	50/20
	PS04EPHY39	Comprehensive Viva-Theory (TCP)			1	Acc. Req.		50/20	50/20
	PS04EPHY40	Comprehensive Viva-Theory (EST)			1	Acc. Req.		50/20	50/20