



SARDAR PATEL UNIVERSITY
Programme : MSc
(Under the Choice based Credit Scheme)
SEMESTER-IV
STRUCTURE with effect from:2018-19



PHYSICAL CHEMISTRY

Course Type	Course Code	Course Title	T/P	Credit	Hours Per Week	Internal Marks	External Marks	Total Marks
Core Course	PS04CPHC21	Atomic Spectroscopy and Microscopic Techniques	T	4	4 hrs	30/10	70/28	100/40
	PS04CPHC22	Chemistry of Solid Materials	T	4	4 hrs	30/10	70/28	100/40
	PS04CPHC23	Electro-analytical Methods	T	4	4 hrs	30/10	70/28	100/40
Core Course (Any one)	PS04CPHC24	Practicals : Polymer Synthesis by Various Techniques OR	P	4	8 hrs	30/10	70/28	100/40
	PS04CPHC25	Project work*	P	4	8 hrs	30/10	70/28	100/40
Core Course (Any one)	PS04CPHC26	Practicals : Polymer Characterization OR	P	4	8 hrs	30/10	70/28	100/40
	PS04CPHC27	Project work*	P	4	8 hrs	30/10	70/28	100/40
Core Course	PS04CPHC28	Comprehensive Viva		1	1 hrs	-	50/20	50/20
Elective Course (Any one)	PS04EPHC21	Photochemistry and Energy Systems	T	4	4 hrs	30/10	70/28	100/40
	PS04EPHC22	Advanced Characterization Techniques-II	T	4	4 hrs	30/10	70/28	100/40
								650

* **Project work** (as optional) in place of practicals; to be offered to some of the students, based on their merit, interest and placement with the teachers (Marks : 200). The project shall have to be carried out under the allotted teacher(s) and a dissertation shall be submitted and will be assessed for internal (60 marks) and external (140 marks), in the usual manner.