

**SARDAR PATEL UNIVERSITY**

**M. Sc. Programme : Materials Science**

**Semester:-II**

Course Type	Course Code (10 Digit)	Name of Course	Theory (T) / Practical (P)	Credit	Contact Hrs/week	Exam Duration in hrs	Marks		
							Internal	External	Total
							Total/Passing	Total/Passing	Total/Passing
Core Courses	PS02CMTS51	Semiconducting and Superconducting Materials	T	4	4hrs	3hrs	30/10	70/28	100/40
	PS02CMTS52	Spectroscopy	T	4	4hrs	3hrs	30/10	70/28	100/40
	PS02CMTS53	Microstructure Control and Metallic Processing	T	4	4hrs	3hrs	30/10	70/28	100/40
Elective Courses (Any One)	PS02EMTS51	Defect Structures and properties of Materials	T	4	4hrs	3hrs	30/10	70/28	100/40
	PS02EMTS52	Solar Energy	T	4	4hrs	3hrs	30/10	70/28	100/40
	PS02CMTS54	Practicals I	P	4	12hrs	3hrs	30/10	70/28	100/40
	PS02CMTS55	Practicals II	P	4	12hrs	3hrs	30/10	70/28	100/40
	PS02CMTS56	Comprehensive Viva		1	1hrs	-	-	50/20	50/20
	PS02CMTS57	Practicals – I (Effect from June, 2024)	P	4	12hrs	3hrs	30/10	70/28	100/40