



**SARDAR PATEL UNIVERSITY**  
**Programme: M.Sc. Applied Physics**  
**(Under CBCS)**  
**STRUCTURE WITH EFFECT FROM: June-2019**



**Semester- III**

Course Type	Course Code	Course Title	Theory/ Practical	Credit	Contact Hrs/ Week	Exam durati on in Hrs.	Component of Marks		
							Internal	External	Total
							Total/ Passing	Total/ Passing	Total/ Passing
Core Course	PT03CAPC01	Quantum Effects in Solids	Theory	4	4	3	30/12	70/28	100/40
	PT03CAPC02	Optical and Magnetic Properties of Solids	Theory	4	4	3	30/12	70/28	100/40
	PT03CAPC03	Non Destructive Testing Techniques	Theory	4	4	3	30/12	70/28	100/40
	PT03CAPC04	Experimental Methods -V	Practical	4	8	3.5	30/12	70/28	100/40
	PT03CAPC05	Experimental Methods -VI	Practical	4	8	3.5	30/12	70/28	100/40
	PT03CAPC06	Comprehensive Viva	---	1	2	--	-	50/20	50/20
Elective Course	PT03EAPC01	Surface Science and Thin Film Technology	Theory	4	4	3	30/12	70/28	100/40
	PT03EAPC02	Solar Energy & Geothermal Energy	Theory	4	4	3	30/12	70/28	100/40

**Credits (per semester)**

Theory + Seminar	: 16
Practical	: 08
Comprehensive Viva	: 01
<b>Total</b>	<b>: 25</b>