

SARDAR PATEL UNIVERSITY  
 Programme: M.Sc. Applied Physics  
 (Under CBCS)  
 Semester- I  
 Syllabus with effective from: June-2018

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	PT01CAPC01	Basic Mathematical Tools	Theory	4	4	3	30/12	70/28	100/40
	PT01CAPC02	Physics of Atomic - Molecular Spectroscopy and Statistical Mechanics	Theory	4	4	3	30/12	70/28	100/40
	PT01CAPC03	Applied Electronics	Theory	4	4	3	30/12	70/28	100/40
	PT01CAPC04	Experimental Methods -I	Practical	4	8	3.5	30/12	70/28	100/40
	PT01CAPC05	Experimental Methods -II	Practical	4	8	3.5	30/12	70/28	100/40
	PT01CAPC06	Comprehensive Viva	---	1	2	--	-	50/20	50/20
Elective Course	PT01EAPC01	Nanoscience & Applied Materials	Theory	4	4	3	30/12	70/28	100/40
	PT01EAPC02	Numerical and Statistical Methods for Applied Physics	Theory	4	4	3	30/12	70/28	100/40

Credits (per semester)

Theory + Seminar : 16  
 Practical : 08  
 Comprehensive Viva : 01  
 Total : 25