

SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar
Third Year B. Sc. [Applied Physics] Course Structure for Semester(CBCS) System
SEMESTER-5

Course Type	Subject	Course Code	Name of Course	Theory/ Practical	Credits	Contact Hrs/week	Exam duration in hrs	Component of Marks		
								Internal	External	Total
Core Course	Applied Physics	US05CAPH01	Quantum and Statistical Mechanics	Theory	3	3	3	30	70	100
		US05CAPH02	Solid State Physics	Theory	3	3	3	30	70	100
		US05CAPH03	Mathematical Methods in Physics and FORTRAN – 1	Theory	3	3	3	30	70	100
		US05CAPH04	Process Instrumentation – 1	Theory	3	3	3	30	70	100
		US05CAPH05	Thermal Physics and Remote Sensing	Theory	3	3	3	30	70	100
		US05CAPH06	Introduction to 8085 microprocessor and control systems - 1	Theory	3	3	3	30	70	100
		US05CAPH07	Applied Physics Practicals	Practical	2	4	3	30	70	100
		US05CAPH08	Applied Physics Practicals	Practical	2	4	3	30	70	100
		US05CAPH09	Applied Physics Practicals	Practical(Project Work)	2	4	3	30	70	100
					Total 24 Credits	Total 30 hours				