

SARDAR PATEL UNIVERSITY
Programme: B.Sc
Semester: I
Syllabus with effect from: June - 2011

Course Type	Subject Name	Course Code	Name Of Course	Theory/ Practical	Credit	Contact Hours Per Week	Exam Duration in hrs	Component of Marks			
								Internal	External	Total	
								Total/ Passing	Total/ Passing	Total/ Passing	
Foundation Courses		US01FENG01	Functional English	Theory	2	2	2	30/8	70/28	100/40	
		US01FICT02	Information & Communication Technology	Theory	2	2	2	30/8	70/28	100/40	
Core Course	Chemistry	US01CCHE01	General Chemistry	Theory	2	2	2	30/8	70/28	100/40	
		US01CCHE02	Inorganic Chemistry	Theory	2	2	2	30/8	70/28	100/40	
		US01CCHE03	Chemistry Practical	Practical	2	4	2	30/8	70/28	100/40	
	OR										
	Instrumentation (Vocational)	US01CINV01	Basic Electronic Instruments	Theory	2	2	2	2	30/8	70/28	100/40
		US01CINV02	Instrumentation System – I	Theory	2	2	2	2	30/8	70/28	100/40
		US01CINV03	Instrumentation Practical	Practical	2	4	2	2	30/8	70/28	100/40
	Note: Instrumentation (Vocational) Subject Offer Only at V.P & RPTP Science College, Vallabh Vidyanagar										
	Physics	US01CPHY01	Properties of Matter and Sound Wave	Theory	2	2	2	2	30/8	70/28	100/40
		US01CPHY02	Network Analysis, Optics and Laser	Theory	2	2	2	2	30/8	70/28	100/40
		US01CPHY03	Physics Practical	Practical	2	4	2	2	30/8	70/28	100/40
	Biology	US01CBIO01	Invertebrata, Hemichordata & Applied Zoology	Theory	2	2	2	2	30/8	70/28	100/40
		US01CBIO02	Plant Cytology and Taxonomy	Theory	2	2	2	2	30/8	70/28	100/40
		US01CBIO03	Biology Practical	Practical	2	4	2	2	30/8	70/28	100/40
	OR										
	Mathematics	US01CMTH01	Analytical Geometry & Complex Numbers	Theory	2	2	2	2	30/8	70/28	100/40
		US01CMTH02	Calculus and Differential Equations	Theory	2	2	2	2	30/8	70/28	100/40
		US01CMTH03	Problems and Exercises in Mathematics	Practical	2	4	2	2	30/8	70/28	100/40
	OR										
	Industrial Chemistry (Vocational)	US01CICV01	Industrial Aspects of Chemistry	Theory	2	2	2	2	30/8	70/28	100/40
		US01CICV02	Process Calculation	Theory	2	2	2	2	30/8	70/28	100/40
US01CICV03		Practical	Practical	2	4	2	2	30/8	70/28	100/40	



Note: Industrial Chemistry (Vocational) Subject Offer Only at V.P & RPTP Science College, Vallabh Vidyanagar										
Elective Course (Any One)	US01EBIO01	Biology	Theory	2	2	2	30/8	70/28	100/40	
	US01EMTH02	Mathematics	Theory	2	2	2	30/8	70/28	100/40	
	US01EENV04	Environmental Science	Theory	2	2	2	30/8	70/28	100/40	
	US01ENSS05	NSS (Effect from June, 2016)	Theory	2	2	2	30/8	70/28	100/40	

