

**SARDAR PATEL UNIVERSITY**  
**Programme: B.Sc**  
**Semester: II**  
**Syllabus with effect from: November - 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:		US02FENG01	Functional English	Theory	2	2	2	30/8	70/28	100/40	
		US02FICT02	Information & Communication Technology	Theory	2	2	2	30/8	70/28	100/40	
Core Course	Chemistry	US02CCHE01	Organic Chemistry	Theory	2	2	2	30/8	70/28	100/40	
		US02CCHE02	Physical Chemistry	Theory	2	2	2	30/8	70/28	100/40	
		US02CCHE03	Practical	Practical	2	4	2	30/8	70/28	100/40	
	<b>OR</b>										
	Instrumentation (Vocational)	US02CINV01	A.C Fundamentals	Theory	2	2	2	30/8	70/28	100/40	
		US02CINV02	Instrumentation System – II	Theory	2	2	2	30/8	70/28	100/40	
		US02CINV03	Practical	Practical	2	4	2	30/8	70/28	100/40	
	<b>Note: Instrumentation (Vocational) Subject Offer Only at V.P &amp; RPTP Science College, Vallabh Vidyanagar</b>										
	Physics	US02CPHY01	Classical Mechanics and Relativity	Theory	2	2	2	30/8	70/28	100/40	
		US02CPHY02	Electronics, Nuclear & Modern Physics	Theory	2	2	2	30/8	70/28	100/40	
		US02CPHY03	Practical	Practical	2	4	2	30/8	70/28	100/40	
	Biology	US02CBIO01	Chordate Biology and Physiology	Theory	2	2	2	30/8	70/28	100/40	
		US02CBIO02	Thallophyta, Bryophyta & Pteridophyta	Theory	2	2	2	30/8	70/28	100/40	
		US02CBIO03	Practical	Practical	2	4	2	30/8	70/28	100/40	
	<b>OR</b>										
Mathematics	US02CMTH01	Analytical Solid Geometry	Theory	2	2	2	30/8	70/28	100/40		
	US02CMTH02	Matrix Algebra & Differential Equations	Theory	2	2	2	30/8	70/28	100/40		
	US02CMTH03	Problems and Exercises in Mathematics	Practical	2	4	2	30/8	70/28	100/40		
<b>OR</b>											



	Industrial Chemistry (Vocational)	US02CICV01	Metallurgy & Material Science	Theory	2	2	2	30/8	70/28	100/40
		US02CICV02	Mechanical Operations	Theory	2	2	2	30/8	70/28	100/40
		US02CICV03	Practical	Practical	2	4	2	30/8	70/28	100/40
<b>Note: Industrial Chemistry (Vocational) Subject Offer Only at V.P &amp; RPTP Science College, Vallabh Vidyanagar</b>										
Elective Course (Any One)		US02EBIO01	Biology	Theory	2	2	2	30/8	70/28	100/40
		US02EMTH02	Mathematics	Theory	2	2	2	30/8	70/28	100/40
		US02EENV04	Environmental Science	Theory	2	2	2	30/8	70/28	100/40
		US02ENSS05	NSS (Effect from June, 2016)	Theory	2	2	2	30/8	70/28	100/40

