

**\*/SARDAR PATEL UNIVERSITY**  
**NEP Structure B.Sc. Semester: I**  
**(Under Choice Based Credit Scheme)**  
**Syllabus with Effect from: 2023**

Course Type	Course Code	Name of Course	T / P	Credit	Contact Hours Per Week	Exam Duration in hrs	Component of Marks		
							Internal	External	Total
<b>Ability Enhancement Course</b>									
	US01AEENG01	Functional English	P	2	2	2	25	25	50
<b>Major Course (Any One Subject)</b>									
<b>Chemistry</b>	US01MACHE01	General Chemistry-I	T	4	4	2:30	50	50	100
	US01MACHE02	Chemistry Practical-I	P	4	8	3	50	50	100
<b>Physics</b>	US01MAPHY01	Mechanics and Optics	T	4	4	2:30	50	50	100
	US01MAPHY02	Physics Practical	P	4	8	3	50	50	100
<b>Zoology</b>	US01MAZOO01	Animal Diversity and Physiology-1	T	4	4	2:30	50	50	100
	US01MAZOO02	Zoology Practical	P	4	8	3	50	50	100
<b>Bio Chemistry</b>	US01MABIC01	Introduction to Biochemistry	T	4	4	2:30	50	50	100
	US01MABIC02	Biochemistry Practical	P	4	8	3	50	50	100
<b>Botany</b>	US01MABOT01	Biomolecules and Cellbiology	T	4	4	2:30	50	50	100
	US01MABOT02	Botany Practical	P	4	8	3	50	50	100
<b>Biotechnology</b>	US01MABTE01	Basic of Biotechnology-1	T	4	4	2:30	50	50	100
	US01MABTE02	Biotechnology Practical	P	4	8	3	50	50	100
<b>Microbiology</b>	US01MAMIC01	Introduction to Microbiology	T	4	4	2:30	50	50	100
	US01MAMIC01	Microbiology Practical	P	4	8	3	50	50	100
<b>Industrial Chemistry</b>	US01MAICH01	Industrial Aspects of Chemistry	T	4	4	2:30	50	50	100
	US01MAICH02	Industrial Chemistry Practical	P	4	8	3	50	50	100





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<b>Biotechnology</b>	US01MIBTE01	Basic of Biotechnology-2	T	2	2	1:30	25	25	50
	US01MIBTE02	Biotechnology Practical	P	2	4	2	25	25	50
<b>Microbiology</b>	US01MIMIC01	Introduction to Microbiology	T	2	2	1:30	25	25	50
	US01MIMIC02	Microbiology Practical	P	2	4	2	25	25	50
<b>Industrial Chemistry</b>	US01MIICH01	Introduction to Industrial Chemistry - 1	T	2	2	1:30	25	25	50
	US01MIICH02	Industrial Chemistry Practical	P	2	4	2	25	25	50
<b>Industrial Chemistry Vocational</b>	US01MIICV01	Introduction to Industrial Chemistry	T	2	2	1:30	25	25	50
	US01MIICV02	Practical	P	2	4	2	25	25	50
<b>Mathematics</b>	US01MIMTH01	Analytic Geometry	T	2	2	1:30	25	25	50
	US01MIMTH02	Problems and Exercises in Analytic Geometry (Practical)	P	2	4	2	25	25	50
<b>Electronics and Communication</b>	US01MIELC01	Instrumentation	T	2	2	1:30	25	25	50
	US01MIELC02	Electronics and Communication Practical	P	2	4	2	25	25	50
<b>Statistics</b>	US01MISTA01	Descriptive Statistics for Univariate data	T	2	2	1:30	25	25	50
	US01MISTA01	Statistics Practical	P	2	4	2	25	25	50
<b>Computer Science</b>	US01MICSC01	Computer Organization and Problem Solving	T	2	2	1:30	25	25	50
	US01MICSC02	Practical Based on US1MICSC01	P	2	4	2	25	25	50
<b>Electronics</b>	US01MIELE01	Basic Electronics.	T	2	2	1:30	25	25	50
	US01MIELE02	Electronics Practicals.	P	2	4	2	25	25	50





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<b>Skill Enhancement Course (Any One Subject)</b>									
<b>Chemistry</b>	US01SECHE01	Environmental Chemistry-I	T	2	2	1:30	25	25	50
<b>Physics</b>	US01SEPHY01	Electrical and Electronic components and measurement-I	T	2	2	1:30	25	25	50
	US01SEPHY02	Experimental skills in Physics (Effect from June, 2024)	P	2	4	2	25	25	50
<b>Biochemistry</b>	US01SEBIC01	Tools and Techniques in Biochemistry-1	T	2	2	1:30	25	25	50
<b>Botany</b>	US01SEBOT01	Landscape and gardening	T	2	2	1:30	25	25	50
<b>Microbiology</b>	US01SEMIC01	Fermented food	T	2	2	1:30	25	25	50
<b>Zoology</b>	US01SEZOO01	Wildlife and Techniques	T	2	2	1:30	25	25	50
<b>Industrial Chemistry</b>	US01SEICH01	Industrial Safety & Hygiene - 1	T	2	2	1:30	25	25	50
<b>Statistics</b>	US01SESTA01	Elements of Biostatistics	T	2	2	1:30	25	25	50
<b>Computer Science</b>	US01SECSC01	Information Technology Fundamentals – I (ITF-I)	T	2	2	1:30	25	25	50



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<b>Value Added Course / <u>Indian Knowledge System</u> (Any One)</b>	US01IKBSC01	Introduction to Indian Knowledge Systems	T	2	2	1:30	25	25	50
	US01IKBSC02	Arthaveda	T	2	2	1:30	25	25	50
	US01IKBSC03	Astrology	T	2	2	1:30	25	25	50
	US01IKBSC04	Dhanurveda	T	2	2	1:30	25	25	50
	US01IKBSC05	Gandharvaveda	T	2	2	1:30	25	25	50
	US01IKBSC06	Kalp Shashtra	T	2	2	1:30	25	25	50
	US01IKBSC07	Ayurveda	T	2	2	1:30	25	25	50
	US01IKBSC08	Chhand Rhythm	T	2	2	1:30	25	25	50
	US01IKBSC09	Contribution of Ancient Indian Knowledge in Modern Science	T	2	2	1:30	25	25	50

(નોંધ: પરીક્ષા વિભાગના પરિપત્ર નં. ઇ-૩/૧૪૯૫ તારીખ: ૧૨/૧૦/૨૦૨૩ યુનિવર્સિટીની વેબસાઇટ [www.spuvvn.edu/students\\_corner/Examination Information/Examination Notification 2023-24](http://www.spuvvn.edu/students_corner/Examination Information/Examination Notification 2023-24) પર ઉપલબ્ધ છે, જેની નોંધ લઈ આગળની કાર્યવાહી કરવાની રહેશે.)

