

Department of Chemistry

Shri G.S. Institute of Technology & Science,

Indore

B.Tech. I Year

Course	Course Outcomes	
CH10516	CO1	Describe the basics of Organic, Inorganic and Physical Chemistry.
	CO2	Apply Specifications, testing and treatment of water for industrial and domestic use.
	CO3	Illustrate Concepts, manufacturing and applications of different types of industrially important materials and their maintenance.
	CO4	Explain the applications of spectral and analytical techniques in qualitative and quantitative analysis.
	CO5	Understand the Ethics behind applying Chemical Methods in Industries and day-to-day use.

B.Tech First Year Chemistry Theory (CH10516)

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	_	2	1	_	1	1	_	1	_	1
CO2	2	2	1	2	1	1	1	1	1	_	_	1
CO3	2	2	1	1	_	1	_	1	_	_	_	1
CO4	2	3	1	2	_	1	_	_	1	_	_	1
CO5	1	1	1	1	1	1	1	2	_	_	_	1

**B.Tech. I Year
2023**

Course Outcomes (COs) : For Laboratory Course :

This laboratory course will illustrate the principles of chemistry relevant to the study of science and engineering. The students will learn to:

Course	Lab Outcomes	
CH10656	LO1	Develop abilities to perform various types of qualitative and quantitative analyses.
	LO2	Determine properties of lubricants and oil samples.
	LO3	Analyse water samples for in terms of hardness, chloride content, alkalinity and other dissolved / undissolved impurities.
	LO4	Ability to understand, explain and use instrumental techniques for elucidating properties of lubricants oil samples, chemical materials etc.
	LO5	Follow to good laboratory practices during performance.

B. Tech First Year Chemistry Practical (CH10656)

CO-PO Mapping

LO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
LO1	2	2	2	3	1	3	2	1	3	1	-	1
LO2	3	3	1	2	1	1	1	1	3	1	-	2
LO3	2	2	2	3	1	3	2	1	3	1	-	2
LO4	3	3	1	3	3	2	1	1	3	1	-	2
LO5	-	-	-	-	-	2	1	3	3	-	-	3