



B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY  
DEPARTMENT OF APPLIED SCIENCE & HUMANITIES  
ACADEMIC YEAR: 2018-19 [ODD SEMESTER]

**COURSE OUTCOMES & MAPPING TO PO-PSO**

**COURSE NAME:** CHEMISTRY-I LABORATORY      **COURSE CODE:** BS-CH191  
**PROGRAMME:** B. Tech in ELECTRONICS & COMMUNICATION ENGINEERING  
**YEAR:** 1<sup>st</sup> **SEMESTER:** 1  
**FACULTY NAME:** Dr. Rupa Pal

**COURSE OUTCOMES**

The combination of lecture and laboratory sessions provides learning opportunities that should enable the student to do the following upon completion of this course

Course Code	Course Outcome	PO(1..12) MAPPING	PSO(1..2) MAPPING	Bloom's Taxonomy level
CH191.1 (CO1)	Analyze different components from their mixtures by adsorption and TLC method.	PO1, PO2, PO5, PO12	PSO2	L4(Analyze)
CH 191.2 (CO2)	Estimate the concentration of acid/alkali, by conductometric/potentiometric method and emf using electrochemical cells.	PO1, PO2, PO5, PO12	PSO2	L3 (Apply)
CH191.3 (CO3)	Calculate the composition of given solution using Oswald Viscometer.	PO1	-	L4 (Analyze)
CH191.4 (CO4)	Determine rate constant for hydrolysis of ester by acid catalyzed and distribution coefficient of acetic acid between n-butanol and water	PO1	-	L3(Apply)
CH191.5 (CO5)	Determine the amount of chloride and dissolved oxygen present in a given water sample	PO1, PO2, PO7	-	L4(Analyze)

**COURSE OUTCOMES VS POs MAPPING (HIGH:3; MEDIUM:2;LOW:1):**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO2
CH101.1 (CO1)	1	1	-	-	1	-		-	-	-	-	1	1
CH101.2 (CO2)	1	1	-	-	1	-	-	-	-	-	-	1	1
CH101.3 (CO3)	1	-	-	-	-	-	-	-	-	-	-	-	-
CH101.4 (CO4)	1	-	-	-	-	-	-	-	-	-	-	-	-
CH101.5 (CO5)	1	1	-	-	-	-	1	-	-	-	-	-	-
<b>CH191</b>	<b>1</b>	<b>1</b>	-	-	<b>1</b>	-	<b>1</b>	-	-	-	-	1	1