



**Practical Counselling Schedule for BSCG Programme**  
**Regional Centre Bhopal**  
**LSC- IGNOU Study Centre 1506, Govt. Holkar Science College, Indore (M.P.)**

Session Practical Counselling	Date	Timing		Block	Topic to be covered (Block/Unit)
		From	To		
<b>BCHCL-132</b> <b>CHEMISTRY LAB I</b> <b>ATOMIC STRUCTURE, BONDING, GENERAL ORGANIC CHEMISTRY AND ALIPHATIC HYDROCARBONS</b>	<b>27<sup>th</sup> October 2025</b>	09 :00 am	01 :00 pm		<b>EXPERIMENT 1</b> Determination of Sodium Carbonate and Sodium Hydrogen Carbonate Present in a Mixture
	<b>27<sup>th</sup> October 2025</b>	01 :30 pm	05 :30 pm		<b>EXPERIMENT 2</b> Estimation of Oxalic Acid by Redox Titration
	<b>28<sup>th</sup> October 2025</b>	09 :00 am	01 :00 pm		<b>EXPERIMENT 3</b> Estimation of Water of Crystallisation in Mohr's Salt
	<b>28<sup>th</sup> October 2025</b>	01 :30 pm	05 :30 pm		<b>EXPERIMENT 4</b> Estimation of Iron(II) Ions by Chromatometry using Internal Indicator
	<b>29<sup>th</sup> October 2025</b>	09 :00 am	01 :00 pm		<b>EXPERIMENT 5</b> Estimation of Copper(II) Ions Iodometrically
	<b>29<sup>th</sup> October 2025</b>	01 :30 pm	05 :30 pm		<b>EXPERIMENT 6</b> Detection of Extra Elements (N, S, X) in the Organic Compounds
<b>Department of Chemistry (Lab)</b> <b>Venue :</b> <b>Contact Person</b> <b>Mr. Manish Pawar</b> <b>Mob: 9977907271</b>	<b>30<sup>th</sup> October 2025</b>	09 :00 am	01 :00 pm		<b>EXPERIMENT 7</b> Separation and Identification of the Components of a given Mixture of Amino Acids by Paper Chromatography
	<b>30<sup>th</sup> October 2025</b>	01 :30 pm	05 :30 pm		<b>EXPERIMENT 8</b> Separation and Identification of the Sugars Present in the given Mixture by Paper Chromatography
	<b>31<sup>st</sup> October 2025</b>	09 :00 am	01 :00 pm		<b>Practical Examination</b>

Attendances for practical courses 100% compulsory in all the sessions.

1. All learners are required to go through the study materials for the above mentioned courses.
2. All students need to get a minimum of 40% of marks in practicals to clear the programme.
3. In case you have laptop, please bring with you for different software.

**Dr. Sanjay Vyas**

Centre Coordinator, 1506  
(Coordinator)

**Dr. Smriti Gargava**

Deputy Director

*Handwritten signature of Dr. Sanjay Vyas*

(डॉ. अश्विनी लोध्यावा)  
(Dr. Ashwini Lodhyavaya)

Practical Counselling / Deputy Director

INDIRA GANDHI NATIONAL OPEN UNIVERSITY

संजीव केंद्र / REGIONAL CENTRE

भोपाल (M.P.) / Bhopal-462001

**IGNOU**  
INDIRA GANDHI NATIONAL OPEN UNIVERSITY  
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		From	To		
BCHCL-134  CHEMISTRY LAB II : CHEMICAL ENERGETICS, EQUILIBRIA AND FUNCTIONAL ORGANIC CHEMISTRY-I	10 <sup>th</sup> October 2025	09 :00 am	01 :00 pm		EXPERIMENT 1A : Determination of the Heat Capacity of a Calorimeter
	10 <sup>th</sup> October 2025	01 :30 pm	05 :30 pm		EXPERIMENT 1B : Determination of the Enthalpy of Neutralisation of Hydrochloric Acid with Sodium Hydroxide
	11 <sup>th</sup> October 2025	09 :00 am	01 :00 pm		EXPERIMENT 2 : Determination of Enthalpy of Ionisation of a Weak Acid
	11 <sup>th</sup> October 2025	01 :30 pm	05 :30 pm		EXPERIMENT 3 : Determination of the Integral Enthalpy of Solution of Ammonium Chloride/Potassium Nitrate
	13 <sup>th</sup> October 2025	09 :00 am	01 :00 pm		EXPERIMENT 4 : Determination of Enthalpy of Hydration of Anhydrous Copper Sulphate
Venue :  Department of Chemistry (Lab)	13 <sup>th</sup> October 2025	01 :30 pm	05 :30 pm		EXPERIMENT 5 : Determination of Dissolution Enthalpy of Benzoic Acid by Studying Temperature Dependence of its Solubility
	14 <sup>th</sup> October 2025	09 :00 am	01 :00 pm		EXPERIMENT 6 : Measurement of pH of Aerated Drinks, Fruit Juices, Soaps and Shampoos using pH Metre
	14 <sup>th</sup> October 2025	01 :30 pm	05 :30 pm		EXPERIMENT 7 : Preparation & Measurement of pH Values of Buffer Solutions and their Comparison with theoretical Values
Contact Person  Mr. Manish Pawar Mob: 9977907271	15 <sup>th</sup> October 2025	09 :00 am	01 :00 pm		EXPERIMENT 8 : Purification of Organic Compounds by Recrystallisation and Distillation
	15 <sup>th</sup> October 2025	09 :00 am	01 :00 pm		EXPERIMENT 9 : Criteria of Purity: Determination of Melting and Boiling Points
	15 <sup>th</sup> October 2025	01 :30 pm	05 :30 pm		EXPERIMENT 10 : Bromination of Aniline
	16 <sup>th</sup> October 2025	09 :00 am	01 :00 pm		EXPERIMENT 11 : Benzoylation of Phenols
	16 <sup>th</sup> October 2025	01 :30 pm	05 :30 pm		EXPERIMENT 12 : Preparation of Oxime and Phenylhydrazones
	17 <sup>th</sup> October 2025	09 :00 am	01 :00 pm		Practical Examination

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Dr. Sanjay Vyas  
Centre Coordinator, 1506  
IGNOU

Dr. Smriti Gargava  
Deputy Director

Dr. Anshuman Upadhyaya  
Regional Centre Deputy Director  
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<b>BCHCL-136</b>  CHEMISTRY LAB III : SOLUTIONS, PHASE EQUILIBRIUM, CONDUCTANCE, ELECTROCHEMISTRY AND FUNCTIONAL GROUP ORGANIC CHEMISTRY-II	01 <sup>st</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 1 : Study the Equilibrium of Reactions by the Distribution Method
	01 <sup>st</sup> Nov. 2025	01 :30 pm	05 :30 pm		EXPERIMENT 2 : Construction of the Phase Diagram of a Simple Eutectic System Using Cooling Curves Method
	03 <sup>rd</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 3 : Study of the Variation of Mutual Solubility Temperature with Concentration for the Phenol-Water System and Determination of Critical Solution Temperature
	03 <sup>rd</sup> Nov. 2025	01 :30 pm	05 :30 pm		EXPERIMENT 4 : Study of the Effect of Impurities on CST of Phenol-Water System
	04 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 5 : Determination of Dissociation Constant of a Weak Acid using pH Meter
	04 <sup>th</sup> Nov. 2025	01 :30 pm	05 :30 pm		EXPERIMENT 6 : Conductometric Titrations of Acids and Bases
	06 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 7 : Potentiometric Titrations of Acids and Bases
	06 <sup>th</sup> Nov. 2025	01 :30 pm	05 :30 pm		EXPERIMENT 8 : Systematic Qualitative Analysis of Carboxylic Acids and Phenols and Preparation of Their Derivatives
	07 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 9 : Systematic Qualitative Analysis of Aldehydes and Ketones and Preparation of their Derivatives 104
	07 <sup>th</sup> Nov. 2025	01 :30 pm	05 :30 pm		EXPERIMENT 10 : Systematic Qualitative Analysis of Amides, Nitro and Amino Compounds and Preparation of Their Derivatives
<b>Venue :</b>  Department of Chemistry (Lab)	08 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 11 : Differentiation between Reducing Sugars and NonReducing Sugars
	08 <sup>th</sup> Nov. 2025	01 :30 pm	05 :30 pm		EXPERIMENT 12 : Determination of the Concentration of Glycine Solution by Formylation Method
	08 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 13 : Action of Salivary Amylase on Starch and Effect of Temperature on the Action of Salivary Amylase on Starch
	10 <sup>th</sup> November 2025	09 :00 am	01 :00 pm		Practical Examination

**Contact Person**  
**Mr. Manish Pawar**  
**Mob: 9977907271**

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**Centre Coordinator, 1506**

**Indira Gandhi National Open University**  
**Study Centre - Govt. Holkar Science College**

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BCHCL-138  CHEMISTRY LAB IV : COORDINATION CHEMISTRY, STATES OF MATTER AND CHEMICAL KINETICS	11 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		Qualitative Inorganic Analysis: Experiment 1A: Qualitative inorganic analysis of known samples. Experiment 1B: Qualitative inorganic analysis of unknown samples
	11 <sup>th</sup> Nov. 2025	01 :30 pm	05 :30 pm		EXPERIMENT 2 : Gravimetric Analysis: Experiment 2A: Gravimetrically determine Nickel(II) In Nickel Steel as dimethylethyoximate Experiment 2B: Gravimetrically determine Aluminium as Aluminium 8hydroxyquinolate
	12 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		Complexometric Titrations: Experiment 3A: Determination of Magnesium (or Zinc) ions in a mixture by Complexometry Experiment 3B: Determination of Total Hardness of Water by Complexometry
	12 <sup>th</sup> Nov. 2025	01 :30 pm	05 :30 pm		Spectrophotometric Titration: Experiment 4: Experiment 4: Determination of the concentration of the $KMnO_4$ in the given coloured solution using Spectrophotometric Titration
	13 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 5 : Determination of Composition of a Complex by Job's method
	13 <sup>th</sup> Nov. 2025	01 :30 pm	05 :30 pm		EXPERIMENT 6 : Determination of Surface Tension of a Liquid or a Dilute Solution Using A Stalagmometer
	14 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 7 : Study of Variation of Surface Tension with the Concentration of a Detergent
	14 <sup>th</sup> Nov. 2025	01 :30 pm	05 :30 pm		Measurement of the Coefficient of Viscosity: EXPERIMENT 8A: To Determine the Coefficient of Viscosity of a Liquid or a Dilute Solution by Ostwald Viscometer
	17 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 8B: To Study the Variation of Viscosity of the Aqueous Solution of a Detergent with Concentration
	17 <sup>th</sup> Nov. 2025	01 :30 pm	05 :30 pm		EXPERIMENT 9 : To Study the Kinetics of Persulphate-Iodide Ion Reaction by Initial Rate Method (Iodine Clock Reaction)
Contact Person Mr. Manish Pawar Mob: 9977907271	18 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		EXPERIMENT 10 : To Study the Kinetics of Acid-Catalysed Hydrolysis of an Ester by Titrimetry
	18 <sup>th</sup> Nov. 2025	01 :30 pm	05 :30 pm		EXPERIMENT 11 : To Study the Kinetics of Saponification of an Ester by Titrimetry
	19 <sup>th</sup> Nov. 2025	09 :00 am	01 :00 pm		Practical Examination

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