

Indira Gandhi National Open University
REGIONAL CENTRE BHOPAL

Practical Counseling Schedule for BSCG Programme TEE June-2025
Venue: Chemistry Department Govt. Motilal Vignyan Mahavidhyalay, BhopalMadhya Pradesh

Practical Counseling	Date	Timing	Topic to be covered (Block/Unit)	Academic Counselor
BCHCL-136	18/08/2025	09.00AM to 01.00 PM (Morning)	Experiment 1 Study of the equilibrium of one of the following reactions by the distribution method: $\text{I}_2(\text{aq}) + \text{I}^-(\text{aq}) \rightleftharpoons \text{I}_3^-(\text{aq})$ $\text{Cu}^{2+}(\text{aq}) + x\text{NH}_4^-(\text{aq}) \rightleftharpoons [\text{Cu}(\text{NH}_3)_x]^{2+}$	Dr. Anand Sharma And
Course Title: Chemistry Lab 3: Solutions, Phase Equilibrium, Conductance, Electrochemistry and Functional Group Organic Chemistry-III	18/08/2025	01.30 PM to 05.30 PM (Evening)	Experiment 2 Construction of the phase diagram of a binary system (simple eutectic) using cooling curves.	
	19/08/2025	09.00AM to 01.00 PM (Morning)	Experiment 3 Study of the variation of mutual solubility temperature with concentration for the phenol water system and determination of the critical solubility temperature	
	19/08/2025	01.30 PM to 05.30 PM (Evening)	Experiment 4 Study of the effect of impurities on CST of phenol - water system	Dr. Santosh Ambhore
	20/08/2025	09.00AM to 01.00 PM (Morning)	Experiment 5 Determination of dissociation constant of a weak acid.	MVM College Bhopal Email Address: uspatle23@gmail.com
	20/08/2025	01.30 PM to 05.30 PM (Evening)	Experiment 6 Conductometric titrations of the following: a) Strong acid vs. strong base b) Weak acid vs. strong base	
	21/08/2025	09.00AM to 01.00 PM (Morning)	Experiment 7 Potentiometric titrations of the following: a) Strong acid vs. strong base b) Weak acid vs. strong base	
	21/08/2025	01.30 PM to 05.30 PM (Evening)	Experiment 8 Systematic qualitative organic analysis of organic compounds possessing functional groups: carboxylic acid, phenol, aldehydes and ketones, amide, nitro and aromatic amines preparation of their derivatives	
	22/08/2025	09.00AM to 01.00 PM (Morning)	Experiment 9 Systematic qualitative organic analysis of organic compounds possessing unknown functional group and its derivative (five to six samples)	
	22/08/2025	01.30 PM to 05.30 PM (Evening)	Experiment 10 Differentiation between a reducing and a nonreducing sugars	
	25/08/2025	09.00AM to 01.00 PM (Morning)	Experiment 11 Separation of amino acids/sugars by Paper Chromatography/Thin Layer Chromatography (Optional)	
	25/08/2025	01.30 PM to 05.30 PM (Evening)	Experiment 12 Determination of the concentration of glycine solution by formylation method.	
			Experiment 13 Action of salivary amylase on starch and effect of temperature on the action of salivary amylase on starch	
			Practical Exam and Viva	

Important points

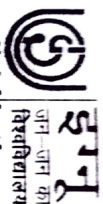
1. For Lab courses of 02 credits, there are 06 days of practical session. The practical examination will be organized on the last day of practical.
 2. Attendance (as per University rules) is compulsory for laboratory course work.
 3. Please keep your identity card and hall ticket with you whenever you visit any IGNOU Study Centre/Regional Centre.
- With Best Wishes

Sd
Dr. U S. Patle
(Study Center Coordinator)
1501, Govt. MVM Bhopal

Dr. Smriti Gargava
(Deputy Director)
IGNOU Regional Centre Bhopal

Dr. Anil Kumar Pandey
(Regional Director)
IGNOU Regional Centre Bhopal

IGNOU
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
क्षेत्रीय केंद्र / REGIONAL CENTRE
भोपाल (म.प्र.) / BHOPAL-462011 (M.P.)



Indira Gandhi National Open University
REGIONAL CENTRE BHOPAL

Practical Counseling Schedule for BSCG Programme TEE June-2025
Venue: Chemistry Department Govt. Motilal Vigyan Mahavidhyalay, Bhopal/Madhya Pradesh

Practical Counseling	Date	Timing	Topic to be covered (Block/Unit)	Academic Counselor
BCHCL-138 Chemistry Lab IV: Coordination Chemistry, States of Matter and Chemical Kinetics	26/08/2025	09.00AM to 01.00 PM (Morning)	UNIT 1 Qualitative Inorganic Analysis: Experiment 1A: Qualitative inorganic analysis of known samples Experiment 1B: Qualitative inorganic analysis of unknown samples EXPERIMENT 2 Gravimetric Analysis: Experiment 2A: Gravimetrically determine Nickel(II) in Nickel Steel as dimethylglyoximate Experiment 2B: Gravimetrically determine Aluminium as Aluminium 8-hydroxyquinolate Unit 3 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 Unit 4 Spectrophotometric Titration: Experiment 4: Determination of the concentration of the $KMnO_4$ in the given coloured solution using Spectrophotometric Titration EXPERIMENT 5 Determination of Composition of a Complex by Job's method EXPERIMENT 6 Determination of Surface Tension of a Liquid or a Dilute Solution Using A Stalagmometer EXPERIMENT 7 Study of Variation of Surface Tension with the Concentration of a Detergent Unit 8 Measurement of the Coefficient of Viscosity: Experiment 8A: To Determine the Coefficient of Viscosity of a Liquid or a Dilute Solution by Ostwald Viscometer Experiment 8B: To Study the Variation of Viscosity of the Aqueous Solution of a Detergent with Concentration EXPERIMENT 9 To Study the Kinetics of Persulphate-Iodide Ion Reaction by Initial Rate Method (Iodine Clock Reaction) EXPERIMENT 10 To Study the Kinetics of Acid-Catalysed Hydrolysis of an Ester by Titrimetry EXPERIMENT 11 To Study the Kinetics of Saponification of an Ester by Titrimetry	Dr. Anand Sharma And Dr. Santosh Ambhore
	26/08/2025	01.30 PM to 05.30 PM (Evening)		
	27/08/2025	09.00AM to 01.00 PM (Morning)		
	27/08/2025	01.30 PM to 05.30 PM (Evening)		
	28/08/2025	09.00AM to 01.00 PM (Morning)		
	28/08/2025	01.30 PM to 05.30 PM (Evening)		
	29/08/2025	09.00AM to 01.00 PM (Morning)		
	29/08/2025	01.30 PM to 05.30 PM (Evening)		
	01/09/2025	09.00AM to 01.00 PM (Morning)		
	01/09/2025	01.30 PM to 05.30 PM (Evening)		
	02/09/2025	09.00AM to 01.00 PM (Morning)		
	02/09/2025	01.30 PM to 05.30 PM (Evening)		

Important points

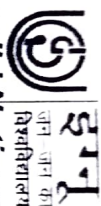
1. For Lab courses of 02 credits, there are 06 days of practical session. The practical examination will be organized on the last day of practical.
2. Attendance (as per University rules) is compulsory for laboratory course work.
3. Please keep your identity card and hall ticket with you whenever you visit any IGNOU Study Centre/Regional Centre.

With Best Wishes

Sd
Dr. U.S. Patle
(Study Center Coordinator)
1501, Govt MVM Bhopal

Dr. Smriti Gargava
(Deputy Director)
IGNOU Regional Centre Bhopal

Dr. Anand Sharma
(Senior Regional Director)
IGNOU Regional Centre Bhopal



Indira Gandhi National Open University
REGIONAL CENTRE BHOPAL

Practical Counseling Schedule for BSCG Programme TEE June-2025
Venue: Chemistry Department Govt. Motilal Vignyan Mahavidyalaya, BhopalMadhya Pradesh

Practical Counseling	Date	Timing	Topic to be covered (Block/Unit)	Academic Counselor
BCHEL-142	03/09/2025	09.00AM to 01.00 PM (Morning)	Experiment 1: Separation and Identification of Cations	Dr. Anand Sharma
Course Title:	03/09/2025	01.30 PM to 05.30 PM (Evening)	EXPERIMENT 2 SEPARATION AND IDENTIFICATION OF THE MONOSACCHARIDES PRESENT IN THE GIVEN MIXTURE BY PAPER CHROMATOGRAPHY	And
Chemistry	04/09/2025	09.00AM to 01.00 PM (Morning)	Experiment 3: Separation and Identification of a Mixture of Sudan Yellow and Sudan Red Dye by TLC	Dr. Santosh Ambhore
Lab 4:	04/09/2025	01.30 PM to 05.30 PM (Evening)	Experiment 4: Separation of a Mixture of Plant Pigments by TLC	MVM College Bhopal
Analytical	08/09/2025	09.00AM to 01.00 PM (Morning)	Experiment 5: Determine the pH of the Water Samples Experiment 6: Determination of pH of Soil	Email Address:
Methods in	08/09/2025	01.30 PM to 05.30 PM (Evening)	Experiment 7: Determination of Conductance of Water Experiment 8: Total Soluble Salt in Soil	uspatie23@gmail.co
Chemistry	09/09/2025	09.00AM to 01.00 PM (Morning)	EXPERIMENT 09 ESTIMATION OF CALCIUM, MAGNESIUM IN SOIL	m
	09/09/2025	01.30 PM to 05.30 PM (Evening)	EXPERIMENT 10 DETERMINATION OF EXCHANGE CAPACITY OF CATION EXCHANGE RESINS AND ANION EXCHANGE RESINS	
	10/09/2025	09.00AM to 01.00 PM (Morning)	EXPERIMENT 11: DETERMINE THE PH OF THE GIVEN AERATED DRINKS FRUIT JUICES, SHAMPOOS AND SOAPS	
	10/09/2025	01.30 PM to 05.30 PM (Evening)	EXPERIMENT 12: DETERMINATION OF PKA OF A WEAK ACID BY PH METRY	
	11/09/2025	09.00AM to 01.00 PM (Morning)	EXPERIMENT 13 SPECTROPHOTOMETRIC DETERMINATION OF NICKEL USING DIMETHYLGLYOXIME	
	11/09/2025	01.30 PM to 05.30 PM (Evening)	EXPERIMENT 14 STRUCTURAL CHARACTERIZATION OF COMPOUNDS BY INFRARED SPECTROSCOPY	
			Practical Exam and Viva	

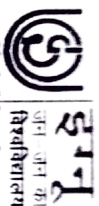
Important points

1. For Lab courses of 02 credits, there are 06 days of practical session. The practical examination will be organized on the last day of practical.
2. Attendance (as per University rules) is compulsory for laboratory course work.
3. Please keep your identity card and hall ticket with you whenever you visit any IGNOU Study Centre/Regional Centre.

With Best Wishes

Sd
Dr. U.S. Patle
(Study Center Coordinator)
1501, Govt. MVM Bhopal

Dr. Smriti Gargava
(Deputy Director)
IGNOU Regional Centre Bhopal



Indira Gandhi National Open University
REGIONAL CENTRE BHOPAL

Practical Counseling Schedule for BSCG Programme TEE June-2025
Vernacular Chemistry Department Govt. Motilal Vignyan Mahavidyalaya, BhopalMadhya Pradesh

Practical Counseling	Date	Timing	Topic to be covered (Block/Unit)	Academic Counselor
BCHEL-148 Course Title: Chemistry Lab 5: ORGANOMETALLIC S, BIOINORGANIC CHEMISTRY, POLYNUCLEAR HYDROCARBONS AND UV, IR SPECTROSCOPY	12/09/2025	09.00AM to 01.00 PM (Morning)	Experiment 1: Separation and Identification of Cations of Analytical Group I	Dr. Anand Sharma
	12/09/2025	01.30 PM to 05.30 PM (Evening)	Experiment 2: Separation and Identification of Cations of Analytical Group II.	
	15/09/2025	09.00AM to 01.00 PM (Morning)	EXPERIMENT 3: PREPARATION OF TETRAAMMINECARBONATOCOBALT(II) NITRATE.	Dr. Santosh Ambhore
	15/09/2025	01.30 PM to 05.30 PM (Evening)	EXPERIMENT 4: PREPARATION OF TETRAAMMINECOPPER(II) SULPHATE MONOHYDRATE	
	16/09/2025	09.00AM to 01.00 PM (Morning)	EXPERIMENT 5: PREPARATION OF POTASSIUM TRIOXALATOFERRATE(III) TRIHYDRATE	qm
	16/09/2025	01.30 PM to 05.30 PM (Evening)	EXPERIMENT 6: COMPARISON OF THE CONDUCTANCE OF THE COMPLEXES (PREPARED BY EXPERIMENTS 3 TO 5) WITH M/1000 SOLUTION OF NaCl, MgCl2 AND LiCl3	
	17/09/2025	09.00AM to 01.00 PM (Morning)	EXPERIMENT 7a: IDENTIFICATION OF CARBOXYLIC ACIDS AND PREPARATION OF THEIR DERIVATIVES	
	17/09/2025	01.30 PM to 05.30 PM (Evening)	EXPERIMENT 7b: IDENTIFICATION OF PHENOLS AND PREPARATION OF THEIR DERIVATIVES	
	18/09/2025	09.00AM to 01.00 PM (Morning)	EXPERIMENT 8: IDENTIFICATION OF ALDEHYDES AND KETONES AND PREPARATION OF THEIR DERIVATIVES	
	18/09/2025	01.30 PM to 05.30 PM (Evening)	EXPERIMENT - 9a: IDENTIFICATION OF AMINES AND PREPARATION OF THEIR DERIVATIVES	
19/09/2025	09.00AM to 01.00 PM (Morning)	EXPERIMENT 9b: IDENTIFICATION OF NITRO COMPOUNDS AND PREPARATION OF THEIR DERIVATIVES		
19/09/2025	01.30 PM to 05.30 PM (Evening)	EXPERIMENT 9c: IDENTIFICATION OF AMIDES AND PREPARATION OF THEIR DERIVATIVES EXPERIMENT 10: Identification of Unknown Organic Samples Practical Exam and Viva		

Important points

1. For Lab courses of 02 credits, there are 06 days of practical session. The practical examination will be organized on the last day of practical.
 2. Attendance (as per University rules) is compulsory for laboratory course work.
 3. Please keep your identity card and hall ticket with you whenever you visit any IGNOU Study Centre/Regional Centre.
- With Best Wishes

Sd
Dr. U.S. Patle
(Study Center Coordinator)
1501, Govt. MVM Bhopal

Dr. Smriti Gargava
(Deputy Director)
IGNOU Regional Centre Bhopal

Dr. U.S. Patle
(Regional Director)
IGNOU Regional Centre Bhopal
INDIRA GANDHI NATIONAL OPEN UN
क्षेत्रीय केंद्र / REGIONAL CENT
भोपाल (म.प्र.) / BHOPAL-462011 (M.P.)