

**LESSON PLAN FOR THE TEACHERS OF DEPARTMENT OF CHEMISTRY FOR THE ACADEMIC  
SESSION FROM JULY 2018 TO JUNE 2019**

Class	Name of Teacher	Topics to be covered	No. Of lectures	Examination
B.Sc Hons. Sem-1	Dr. Sitangshu Sekhar Bhattacharjee	<b>Theory</b> CEMA-CC—1-2-TH:  <b>Practical</b> CEMA-CC—1-2-P:  Physical Chemistry P-1 Lab	NA   10	
B.Sc Hons. Sem-2	Dr. Sitangshu Sekhar Bhattacharjee	No Physical Chemistry	N.A.	
B.Sc Hons. Part – II (1+1+1)	Dr. Sitangshu Sekhar Bhattacharjee	<b>Theory</b> CHT-23a: Unit-I Thermodynamics and Equilibrium CHT-23b: Unit-I Quantum Chemistry 1  <b>Practical</b> CHT 24b: Instrumental Estimation	20  20  20	
B.Sc Hons. (1+1+1) Part - III	Dr. Sitangshu Sekhar Bhattacharjee	<b>Theory</b> CHT33a: Unit – I and Unit - II  CHT33c: Unit – I and Unit - II	45  45	
	Dr. Sitangshu Sekhar Bhattacharjee	<b>Practical</b> CHP35a: Experiments on Surface tension, viscosity, solubility. CHP35b: Experiments on potentiometry, conductometry, colorimetry and polarimetry	20  20	

B.Sc. Sem 1	Dr. Sarmila Basu (Sarkar)	Practical [G] CEMG-CC1/GE1-P Titrimetric Experiments	10	
B.Sc. Sem 2	Dr. Sarmila Basu (Sarkar)	Practical [H] CEMA-CC-2-4-P: Iodo/Iodimetric Titrations Estimation of Metal Content in some selective Samples Practical[G] CEMG-CC-2/GE-2: Experiments on kinetic study, Viscosity, Solubility, Buffer, Surface Tension	10  30	
B.Sc. Hons. (1+1+1) Part - II	Dr. Sarmila Basu (Sarkar)	Theory [H] NA  Practical [H] CHP 24a Titrimetric Experiments	20	
B.Sc. Gen. (1+1+1) Part - II	Dr. Sarmila Basu (Sarkar)	Theory[G] CGT 22a Unit I & Unit II CGT 22b Unit I Practical [G] CGP 24 Qualitative Inorganic Analysis	30  14  30	
B.Sc Hons. (1+1+1) Part - III	Dr. Sarmila Basu (Sarkar)	Theory CHT32c: Unit - II  Practical CHP34b: Qualitative analysis of single solid organic compounds and organic preparation.	14  20	
B.Sc. Gen. (1+1+1) Part - III	Dr. Sarmila Basu (Sarkar)	Theory CGT 31b: Unit – II CGT 31c: Unit – I and Unit - II Practical CGP 32 : Titrimetric experiments	10  20  14	

B.Sc. Hons. Sem 1	Dr. Arindam Rana	<b>Theory</b> <b>CEMA-CC—1-1-TH:</b> Extra Nuclear Structure of Atom	14	
		<b>Practical</b> <b>CEMA-CC—1-1-P:</b> Acid-Base Titrations Redox Titrations	10	
B.Sc. Hons. Sem 2	Dr. Arindam Rana	<b>Theory</b> <b>CEMA-CC—2-4-TH:</b> Chemical Bonding-2	20	
		<b>Practical</b> <b>CEMA-CC—2-4-P:</b> Iodo-/Iodimetric Titrations Estimation of Metal contents in some selective samples	30	
B.Sc. Hons. (1+1+1) Part - II	Dr. Arindam Rana	<b>Theory</b> <b>CHT 21b</b> Unit I & Unit II	30	
		<b>Practical</b> <b>CHP 24a</b> Titrimetric Experiments	20	
B.Sc. Gen. (1+1+1) Part - II	Dr. Arindam Rana	<b>Theory</b> <b>CGT 21b</b> Unit I	14	
		<b>Practical</b> <b>CGP 24</b> Qualitative Inorganic Analysis	30	
B.Sc. Hons. (1+1+1) Part - III	Dr. Arindam Rana	<b>Theory</b> <b>CHT31a:</b> Unit – II	14	
		<b>CHT31b:</b> Unit – II	14	
		<b>CHT31c:</b> Unit – II	14	
		<b>CHT31d:</b> Unit – I	14	
B.Sc. Gen. (1+1+1) Part - III	Dr. Arindam Rana	<b>Theory</b> <b>CGT 31b:</b> Unit – I	10	



<b>B.Sc. Hons. (1+1+1) Part - III</b>	<b>Dr. Biswajit Panda</b>	<b>CHP 34b:</b> Qualitative analysis of single solid organic compounds and organic preparation.	14	
<b>B.Sc. Gen. (1+1+1) Part - III</b>	<b>Dr. Biswajit Panda</b>	<b>THEORY CGT 31b :</b> Unit - II	10	
<b>B.Sc. Hons. Sem 1</b>	<b>Dr. Pampa Guha</b>	<b>Theory CEMA-CC—1-1-TH:</b> Acid-Base reactions <b>Practical CEMA-CC—1-1-P:</b> Acid-Base Titrations Redox Titrations	15    10	
<b>B.Sc. Hons. Sem 2</b>	<b>Dr. Pampa Guha</b>	<b>Theory CEMA-CC—2-4-TH:</b> Chemical Bonding-1  <b>Practical CEMA-CC—2-4-P:</b> Iodo-/Iodimetric Titrations Estimation of Metal contents in some selective samples	30   30	
<b>B.Sc. Hons. (1+1+1) Part - II</b>	<b>Dr. Pampa Guha</b>	<b>Theory CHT 21a</b> Unit I <b>CHT 21b</b> Unit I <b>Practical CHP 24a</b> Titrimetric Experiments	30   15  20	
<b>B.Sc. Gen. (1+1+1) Part - II</b>	<b>Dr. Pampa Guha</b>	<b>Theory CGT 21b</b> Unit I & Unit II <b>CGT 22b</b> Unit I & Unit II <b>Practical CGP 24</b> Qualitative Inorganic Analysis	20  20  30	
<b>B.Sc. Hons. (1+1+1) Part - III</b>	<b>Dr. Pampa Guha</b>	<b>Theory CHT 31a</b> Unit II <b>CHT 31b</b> Unit II <b>CHT 31c</b> Unit I	10  15  15	

		<b>CHT 31d</b> Unit II	14	
<b>B.Sc. Gen. (1+1+1) Part - III</b>	<b>Dr. Pampa Guha</b>	<b>Theory</b> <b>CGT 31a</b> Unit I <b>CGT 31b</b> Unit I <b>CGT 31c</b> Unit I	20 10 15	
<b>B.Sc. Hons. Sem 1</b>	<b>Dr. Subhasis Samai</b>	<b>Theory [H]</b> <b>CEMA-CC—1-1A-TH:</b> Bonding and Physical Properties <b>Practical [H]</b> <b>CEMA-CC—1-1-P:</b> Organic Chemistry: O(1A) Lab Separation of Organic Compounds	14 10	
<b>B.Sc. Gen Sem 1</b>	<b>Dr. Subhasis Samai</b>	<b>Theory [G]</b> <b>CEMG-CC1/GE1</b> Fundamental Organic chemistry	14	
<b>B.Sc. Hons. Sem 2</b>	<b>Dr. Subhasis Samai</b>	<b>Theory [H]</b> <b>CEMA-CC-2-3-TH:</b> General Treatment of Reaction Mechanism <b>Practical [H]</b> <b>CEMA-CC-2-3-P:</b> Organic Preparations	14 30	
<b>B.Sc. Hons. (1+1+1) Part II</b>	<b>Dr. Subhasis Samai</b>	<b>Theory [H]</b> <b>CHT 22b</b> Unit I	30	

B.Sc. Hons. (1+1+1) Part III	Dr. Subhasis Samai	<b>Theory [H]</b> <b>CHT 32a:</b> Unit – II <b>CHT 32b:</b> Unit – I and Unit – II  <b>Practical [H]</b> <b>CHP 34a:</b> Spectroscopic analysis of organic Compounds	20      20	
B.Sc. Hons. Sem 1	Amal Kumar Gooyee	<b>Theory [H]</b> <b>CEMA-CC—1-2-TH:</b> Kinetic Theory of Gas <b>Practical [H]</b> <b>CEMA-CC—1-2-P:</b> Physical Chemistry P-1 Lab	20    10	
B.Sc. Hons. (1+1+1) Part - II	Amal Kumar Gooyee	<b>Theory [H]</b> <b>CHT 22b</b> Unit II  <b>Practical [H]</b> <b>CHP 24b</b> Instrumental Experiments	20    30	
B.Sc. Hons. (1+1+1) Part III	Amal Kumar Gooyee	<b>Practical [H]</b> <b>CHP 35a:</b> Experiments on Surface tension, viscosity, solubility. <b>CHP35b:</b> Experiments on potentiometry, conductometry, colorimetry and polarimetry	20   20	
B.Sc. Hons. Sem 1	Mr. Manish Das	<b>Theory [H]</b> <b>CEMA-CC—1-2-TH:</b> Transport process, Chemical kinetics <b>Practical [H]</b> <b>CEMA-CC—1-2-P:</b> Physical Chemistry P-1 Lab Experiments on Kinetic Study ,Viscosity  <b>Theory [G]</b> <b>CEMG-CC1/GE1</b> Chemical kinetics, Atomic Structure, Acids and Bases, Periodic table <b>Practical [G]</b> <b>CEMG-CC1/GE1</b> Titrimetry	30   10   30   10	

B.Sc. Hons. Sem 2	Mr. Manish Das	<b>Theory [G]</b> <b>CEMG-CC2/GE2</b> Solutions, Phase Equilibrium, Solids, Error analysis	14	
		<b>Practical [G]</b> <b>CEMG-CC2/GE2</b> Experiments on Kinetic Study, Viscosity, Solubility, Buffer, Surface Tension	30	
B.Sc. Hons. (1+1+1) Part - II	Mr. Manish Das	<b>Theory [H]</b> <b>CHT 21a</b> Unit I & Unit II	30	
		<b>Practical [H]</b> <b>CHP 24b</b> Instrumental Experiments	30	
B.Sc. Gen. (1+1+1) Part - II	Mr. Manish Das	<b>Theory [G]</b> <b>CGT 21a</b> Unit I & Unit II	20	
		<b>CGT 22a</b> Unit II	10	
		<b>CGT 22a</b> Unit II	10	
		<b>Practical [G]</b> <b>CGP 23</b> Qualitative Analysis of Single Organic Compounds	20	
B.Sc. Hons. (1+1+1) Part III	Mr. Manish Das	<b>Theory</b> <b>CHT 33b:</b> Unit – I and Unit - II	40	
		<b>Practical [H]</b> <b>CHP 35a:</b> Experiments on Surface tension, viscosity, solubility.	20	
		<b>CHP35b:</b> Experiments on potentiometry, conductometry, colorimetry and polarimetry	20	
B.Sc. Gen. (1+1+1) Part III	Mr. Manish Das	<b>Theory [H]</b> <b>CGP 31a:</b> Unit - II	14	
		<b>Practical [H]</b> <b>CGP 32:</b> Titrimetric experiments	14	



B.Sc. Hons. Sem 1	Dr. Manabendra Nath Bishnu	Theory [H] CEMA-CC—1-1-TH: Redox Reactions	15	
B.Sc. Hons. Sem 2	Dr. Manabendra Nath Bishnu	Theory [H] CEMA-CC—2-4-TH: Radioactivity	10	
B.Sc. Hons. (1+1+1) Part - II	Dr. Manabendra Nath Bishnu	Theory CHT 21a Unit II	20	
B.Sc Hons. (1+1+1) Part III	Dr. Manabendra Nath Bishnu	Theory CHT 31a: Unit – I CHT 31c: Unit – I	15 10	

Signature of Head of the Department  
Department of Chemistry  
City College, Kolkata

