

**CHEMISTRY DEPARTMENT**  
**ACADEMIC PLANNER FOR 2015-16**  
**I YEAR BSc(semester II)**  
**Paper I**

<b>MONTH</b>	<b>TOPIC</b>	<b>NO OF CLASSES</b>	<b>TOTAL 30classes</b>
<b>DECEMBER(8)</b>	<b>ACYCLIC COMPOUND</b>	<b>8</b>	<b>8</b>
<b>JANUARY(10)</b>	<b>STEREOCHEMISTRY</b>	<b>10</b>	<b>10</b>
<b>FEBRUARY(7)</b>	<b>ALICYCLIC HYDROCARBON</b>	<b>4</b>	<b>7</b>
	<b>BENZENE AND ITS REACTIVITY</b>	<b>3</b>	
<b>MARCH(5)</b>	<b>BENZENE AND ITS REACTIVITY</b>	<b>3</b>	<b>5</b>
	<b>POLYNUCLEAR HYDROCARBON</b>	<b>2</b>	

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MONTH	TOPIC	NO OF CLASSES	TOTAL 65 classes Regular + special
JULY(18)	Structural inorganic chemistry	6	14
	Hydrogen bonding	1	
	Structural theory in organic chemistry	7	
AUGUST(14)	Hydrogen bonding	1	11+2
	S block elements	3	
	P block elements	2	
	Structural theory in organic chemistry	3+2	
	Quantitative analysis	2	
SEPTEMBER(18)	P block elements	8	18
	Quantitative analysis	2	
	Quantum chemistry	6	
OCTOBER(16)	p block elements	5	16+3
	organometallic chemistry	3+1	
	Quantum chemistry	2	
	Chemical bonding	6+2	

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**III YEAR BSc**  
**Paper III**

MONTH	TOPIC	NO OF CLASSES	TOTAL <del>64</del> classes
JUNE	Nitrogen compounds, Heterocyclics, Carbohydrates, Amino acids.	7,4,4,3	18
JULY	Amino acids, Thermodynamics	1,10	11
AUGUST	Thermodynamics, Chemical kinetics	2,7	9
SEPTEMBER /October	Photochemistry, Co-ordination compounds	4,7	11
NOVEMBER	Co-ordination compounds, Spectral & magnetic properties, Reactivity of metal complexes, Stability of metal complexes	1,3,3,3	10
DECEMBER	Hard & Soft acid bases, Bio-inorganic chemistry	3,2	5

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**Paper IV**

MONTH	TOPIC	NO OF CLASSES	TOTAL 88 classes
JULY	Drug Chemistry	11+4 (sp class)	15
AUGUST	Drug Chemistry and formulations Pesticides	5 4+1(sp class)	10
SEPTEMBER & OCTOBER	Green Chemistry Separation methods	5 2+3(sp class)	10
NOVEMBER	Separation methods Spectroscopy and Spectrophotometry	7 9+4(sp class)	20
DECEMBER	Spectroscopy and Spectrophotometry	5	13+5
	Macromolecules, Material science	8+5	
JANUARY	Material science and Catalysis	15	15

**ACADEMIC PLANNER FOR 2015-16**  
**II YEAR BSc**  
**Paper II**

<b>@5 per week</b>	<b>MONTH</b>	<b>TOPIC</b>	<b>NO OF CLASSES</b>	<b>TOTAL 125 classes</b>
16	JUNE	Halogen compound, Hydroxy compound	4+4	16
		Theory of quantitative analysis	8	
20	JULY	Hydroxy compound, Carbonyl compound	2+5	18
		Evaluation of analytical data, d block element	4+5	
14	AUGUST	Carbonyl compounds	5+1	14
		d block element, f block elements	4+4	
20+9	SEPTEMBER & OCTOBER	Carboxylic compounds, active methylene compounds Interconversions	4+4+2	18+2
		f block elements+ Theories of bonding in metals	4 + 6	
19	NOVEMBER	Phase rule, Dilute solutions	5+8	19+1
		Metal carbonyls and related compounds	7	
18	DECEMBER	Electrochemistry	9	17
		Molecular symmetry, Pericyclic reactions	5+3	
9	JANUARY	Electrochemistry	8	9+9 extra classes
		Pericyclic reactions, Synthetic strategies, Asymmetric synthesis	2+4+4	