

1st Term : 18 August 2015-27 December 2015 (80 Working days)				
Week No	Duration/ Dates	No of W. Days	Contents	Practical Experiments
1	18 Aug 2015 To 21 Aug 2015	04	<u>Chapter No. 7: Fundamentals of Organic Chemistry</u> Introduction, functional groups Cracking Reforming	1. Detection of Acidic Radicals (Dil. Acid group)
2	24 Aug 2015 To 28 Aug 2015	05	Hybridization Isomerism Exercise	2. Detection of Acidic Radicals (Dil. Acid group)
3	31 Aug 2015 To 04 Sep 2015	05	<u>Chapter No. 8: Aliphatic Hydrocarbons</u> Classification of aliphatic hydrocarbons Alkanes: Preparation and reactions	3. Detection of Acidic radicals (conc. Acid group)
4	07 Sep 2015 To 11 Sep 2015	05	Alkenes: Preparation and reactions Alkynes: Preparations and reactions Exercise	4. Detection of Acidic radicals (Special group)
5	14 Sep 2015 To 18 Sep 2015	05	<u>Chapter No. 9: Aromatic Hydrocarbons</u> Classification of Aromatic compounds: homocyclic , heterocyclic Structure of benzene Preparation of benzene Reactions of benzene Exercise	5. Detection of Basic radicals (Gp. I)
6	21 Sep 2015 To 25 Sep 2015 [EidulAzha]	02	<u>Chapter No. 10: Alkylhalides</u> Introduction, classification Preparation of Alky halides SN Reactions	6. Detection of Basic Radicals (Second group)
7	28 Sep 2015 To 02 Oct 2015	05	<u>1st Bimonthly Test</u>	
8	05 Oct 2015 To 09 Oct 2015	05	Grignard reagents: Preparation and reactions Exercise <u>Chapter No. 11: Alcohols, Phenols and Ethers</u> Introduction and classification of alcohols	7. Detection of Basic radicals (Third group)
9	12 Oct 2015 To 16 Oct 2015	05	Preparation and reactions of alcohols Phenols: Preparation and reactions Ethers: Preparation and reactions Exercise	8. Detection of Basic radicals (Fourth group)

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10	19 Oct 2015 To 23 Oct 2015 [Ashura]	03	Chapter No. 12: Aldehydes & Ketones Introduction to carbonyl compounds Aldehydes	9. Detection of Basic radicals (Fifth group)
11	26 Oct 2015 To 30 Oct 2015	05	Ketones: Preparation and reactions Exercise	10. Detection of Basic radicals (Sixth group)
12	02 Nov 2015 To 06 Nov 2015	05	Chapter No. 13: Carboxylic Acids Carboxylic Acids: Preparation and reactions Amino Acids: Synthesis, zwitter ion, reactions Exercise	11. Practical Demonstration of all preliminary tests
13	09 Nov 2015 To 13 Nov 2015 [Iqbal Day]	04	Chapter No. 14: Macromolecules Classification, polymerization, types Carbohydrates, Lipids	12. Detection of Acidic and Basic Radicals in a given salt (Salt Analysis)
14	16 Nov 2015 To 20 Nov 2015	05	Proteins Enzymes Nucleic Acids Exercise	13. Salt Analysis
15	23 Nov 2015 To 27 Nov 2015	05	Chapter No. 15: Common chemical Industries in Pakistan Fertilizers: Urea manufacture	14. Salt Analysis
16	30 Nov 2015 To 04 Dec 2015	05	Cement industry Paper industry Exercise Chapter No. 16: Environmental Chemistry Pollution and pollutants Acid rain	15. Salt Analysis
17	07 Dec 2015 To 11 Dec 2015	05	<u>1st Term Exams (Send – Up Exams)</u>	
18	14 Dec 2015 To 18 Dec 2015	02	<u>1st Term Exams (Send – Up Exams)/All Pakistan Prize Distribution Ceremony of Co-curricular Activities</u>	
19	21 Dec 2015 To 25 Dec 2015	-	<u>Winter Vacation</u>	
<u>2nd Term: 28 December 2015-12 April 2016 (75 Working Days)</u>				
20	28 Dec 2015 To 01 Jan 2016	05	Smog Ozone depletion Water pollution Water treatment Solid waste management Exercise	16. Salt Analysis

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21	04 Jan 2016 To 08 Jan 2016	05	Chapter No. 1: Periodic classification of elements Periodic table: Mendeleev's and modern Periodic trends of properties	17. Estimation of Barium ions
22	11 Jan 2016 To 15 Jan 2016	05	Binary compounds Position of hydrogen Exercise	18. Preparation of iodoform
23	18 Jan 2016 To 22 Jan 2016	05	Chapter No. 2: S- Block Elements Introduction Down's cell Nelson's cell	19. Preparation of copper ammine complex
24	25 Jan 2016 To 29 Jan 2016	05	Gypsum Lime and mortar Exercise	20. Preparation of Phenyl glucosazone
25	01 Feb 2016 To 05 Feb 2016 [Kashmir Day]	04	Chapter No. 3: Group III-A and IV-A elements Introduction Boron Aluminium Carbon	21. Detection of elements in a given organic compound
26	08 Feb 2016 To 12 Feb 2016	05	2nd Bimonthly Test	
27	15 Feb 2016 To 19 Feb 2016	05	Silicon Semiconductors Exercise Chapter No. 4: Group V-A and VI-A elements Introduction Nitrogen: Nitric acid	22. Detection of functional groups in a given organic compound
28	22 Feb 2016 To 26 Feb 2016	05	Phosphorus Oxygen Sulfur: Sulfuric acid Exercise	1 st Test of Test Series
29	29 Feb 2016 To 04 Mar 2016	05	Chapter No. 5: Halogens and Noble Gases Introduction Compounds of halogens Noble gases Exercise	2 nd Test of Test Series
30	07 Mar 2016 To 11 Mar 2016	05	Chapter No. 6: Transition Elements Introduction Complex compounds Properties	3 rd Test of Test Series
31	14 Mar 2016 To 18 Mar 2016	05	Corrosion Chromates and Dichromates Exercise	4 th Test of Test Series

Week No	Duration/ Dates	No of W. Days	Contents	Practical Experiments
32	21 Mar 2016 To 25 Mar 2016 [Pakistan Day]	04	Revision and Discussions	5 th Test of Test Series
33	28 Mar 2016 To 01 Apr 2016	05	<u>Pre-Board Examination</u>	
34	04 Apr 2016 To 08 Apr 2016	05	<u>Pre-Board Examination</u>	
35	11 Apr 2016 To 15 Apr 2016	02	<u>Pre-Board Examination/ Prep Leave</u>	