



## D.A.V. PUBLIC SCHOOL, NEW PANVEL

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### SYLLABUS PLAN - 2017-18

#### SUBJECT: CHEMISTRY

#### STD. XI

Month	No. of Teaching Days	Units	No. of Periods	Weightage
APRIL	7	<b>UNIT I:</b> 1. Some Basic Concepts of Chemistry	10	11
JUNE	24	<b>UNIT I:</b> 2. Structure of Atom <b>UNIT II:</b> Classification of Elements and Periodicity in Properties  Revision for I Unit Test	15  10  3	4
JULY	25	<b>UNIT III:</b> 1. Chemical Bonding and Molecular Structure 2. States of Matter: Gases and Liquids  Revision & I Unit Test	16  9  4	21
AUGUST	17	<b>UNIT III:</b> 3. Thermodynamics  <b>UNIT III:</b> 4. Equilibrium	10  12	
SEPTEMBER	22	Revision and Term Exam	22	
OCTOBER	12	<b>UNIT IV:</b> 1. Redox Reactions  <b>UNIT IV:</b> 2. s-Block Elements  <b>UNIT IV:</b> 3. Some p-Block Elements	5  8  4	16
Month	No. of Teaching Days	Units	No. of Periods	Weightage

NOVEMBER	24	<b>UNIT IV:</b> 3. Some p-Block Elements <b>UNIT V</b> Organic Chemistry: Some Basic Principles and Techniques  Revision and II Unit Test	5  17  7	18
DECEMBER	23	<b>UNIT V:</b> Hydrocarbons  <b>UNIT IV:</b> 4. Hydrogen  <b>UNIT V:</b> 3. Environmental Chemistry  Revision for Preliminary Exam	14  5  2  6	
JANUARY	24	Revision and Preliminary Exam and revision for Annual Examination	24	
FEBRUARY	18	Revision for Annual Examination and Annual Examination	9	
Total	196		217	70



**PRACTICAL**

**SUB: CHEMISTRY**

**Std: XI**

Month	No. of Periods For Practical	Experiment/Topic
APRIL	2	Introduction : Basic Laboratory Techniques  Experiment 1: Preparation of standard solution of sodium carbonate.
JUNE	4	Experiment 2: Preparation of standard solution of oxalic acid.  Experiment 3: Crystallization of impure sample of copper sulphate.
JULY	6	Experiment 4: Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid.  Experiment 5: Determination of strength of a given solution of hydrochloric acid by titrating it against standard solution of sodium carbonate solution.  Experiment 6: Determination of melting point of an organic compound.
AUGUST	6	Experiment 7: Determination of boiling point of an organic compound. Experiment 8: Determination of pH of varied concentrations of acid using pH paper. Experiment 9: Determination of pH of varied concentrations of bases using pH paper.

Month	No. of Periods For Practical	Experiment/Topic
SEPTEMBER		
OCTOBER	4	Experiment 10: Qualitative Analysis Experiment 11: Qualitative Analysis
NOVEMBER	4	Experiment 12: Qualitative Analysis Experiment 13: Qualitative Analysis
DECEMBER	2	Experiment 14: Qualitative Analysis
Total	28	