

**Maharshi Patanjali Vidya Mandir, Prayagraj**

**Syllabus Breakup:2021-2022**

**Subject :Chemistry**

**Class - XI**

<b>May</b>	<i>Unit 1 : Some Basic Concepts of Chemistry</i>
<b>July</b>	<i>Unit 2 : Structure of Atom</i> <i>Unit 3 : Classification of Elements&amp; Periodic Classification</i>
<b>August</b>	<i>Unit 3 : Classification of Elements&amp; Periodic Classification (Contd.)</i> <i>Unit 14 : Environmental Chemistry (self study)</i> <i>Unit 4 : Chemical Bonding&amp; Molecular Structure</i>
<b>September</b>	<i>Unit 5 : States of Matter</i> <i>Unit 6 : Thermodynamics</i>
<b>October</b>	<i>Unit 6 : Thermodynamics (Contd.)</i> <i>Unit 7 : Equilibrium</i>
<b>November</b>	<i>Unit 8 : Redox reactions</i> <i>Unit 9 : Hydrogen</i>
<b>December</b>	<i>Unit12:OrganicChemistry:SomeBasicprinciples&amp;Techniques Unit 13</i> <i>:Hydrocarbons</i>
<b>January</b>	<i>Unit 13 : Hydrocarbons (Contd.)</i> <i>Unit 10 : The s-block elements</i>

<b>February</b>	<i>Unit 11 : The p-block elements</i>
<b>1<sup>st</sup> Unit test</b>	<i>Unit 1: Some Basic concepts of chemistry Unit 2 : Structure of Atom</i>
<b>Half- Yearly Examination</b>	<i>Unit 1, Unit 2, Unit 3, Unit 4, Unit 14</i>
<b>2<sup>nd</sup> Unit test</b>	<i>Unit 7 : Equilibrium, Unit 8 : Redox Reactions</i>
<b>Annual- Examination</b>	<i>Complete Syllabus</i>

### **Chemistry Practical**

#### **1<sup>st</sup> Term -**

*Analysis of cautions*

*Analysis of anions – Dilute sulphuric acid group & concentrated sulphuric acid group*

*Half Yearly – Analysis of caution + analysis of anions (Only dilute sulphuric acid group)*

#### **II<sup>nd</sup> Term –**

*Analysis of Anions –  $PO_4^{3-}$ ,  $SO_4^{2-}$ ,  $C_2O_4^{2-}$*

*Volumetric Analysis*

*Core Experiments*

*Annual – 1<sup>st</sup> Term Syllabus + II<sup>nd</sup> Term Syllabus*