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### Class-X Syllabus & Monthly Planner 2020-21

Subject	March-2020	April-2020	May-2020	June-2020	July-2020	August-2020
<b>English Language &amp; Literature</b>	<b>First Flight</b> Ch-1 A letter to God Poem- Dust of snow, Fire & Ice <b>Footprint without feet-</b> Ch-1 Triumph of surgery <b>Grammar/ Writing Skills</b> Determiner, Letter to Editor	<b>First Flight</b> Ch-2 A Long Walk to freedom Ch-3 Two stories about flying Poem- A Tiger in the Zoo <b>Footprints without feet-</b> Ch-2 The Thief's story Ch-3 The Midnight Visitor <b>Grammar-</b> Tenses, <b>Writing Skills:</b> Paragraph Writing	<b>First Flight –</b> Ch-4 From the diary of Anne Frank Ch-5 The Hundred Dresses-1 <b>Poem- How to tell wild animals</b> <b>Footprints without Feet-</b> Ch-4 A Questions of Trust Ch-5 Footprints without Feet <b>Grammar-</b> Conjunction		<b>First Flight –</b> Ch-6 The Hundred Dresses-II Ch-7 Glimpses of India Poem- The Ball poem <b>Footprints without Feet</b> Ch-6 The Making of a Scientist Ch-7 The Necklace <b>Writing Skills:</b> Business Letter	<b>First Flight –</b> <del>Ch-8 Mijbil the Otter</del> Ch-9 Madam Rides the Bus Poem- Animals, Amanda <b>Footprints without Feet–</b> Ch-8 The Hack Driver Ch-9 Bholi <b>Grammar-</b> Modals /Dialogue Writing
<b>Hindi Course-B</b>	क्षितिज भाग-2 काव्य खंड- पाठ-1 पद गद्य खंड- पाठ-10 'नेताजी का चश्मा' पाठ-11 'बालगोबिन भगत' <b>व्याकरण-</b> अनौपचारिक पत्र-लेखन	काव्य खंड- पाठ-2 'राम-लक्ष्मण परशुराम संवाद' गद्य खंड- पाठ-12 'लखनवी'-अंदाज' पाठ-13 'मानवीय करुणा का दिव्य चमक' <b>व्याकरण-</b> रचना के आधार पर वाक्य भेद एवं वाच्य, अनौपचारिक पत्र लेखन	काव्य खंड- पाठ-5 उत्साह, अट नहीं रही		<b>व्याकरण-</b> विज्ञापन लेखन, रस, पत्र, अनुच्छेद <b>कृतिका-</b> पाठ-1 माता का आँचल पाठ-2 जॉर्ज पंचम की नाक	पुनरावृत्ति प्रारंभ
<b>Maths</b>	<ul style="list-style-type: none"> <li>Co-ordinate geometry</li> <li>Quadratic equations</li> </ul>	<ul style="list-style-type: none"> <li>Polynomials</li> <li>Read numbers</li> </ul>	<ul style="list-style-type: none"> <li>Arithmetic Progression</li> <li>Linear Equations in two variables</li> </ul>		<ul style="list-style-type: none"> <li>Probability</li> <li>Trigonometry</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>Application of Trigonometry</li> <li>Statistics</li> <li>Constructions</li> </ul>

Subject	March-2020	April-2020	May-2020	June-2020	July-2020	August-2020
<b>Physics</b> (Deleted Topics: Refer to Page No.6)	<ul style="list-style-type: none"> <li>Electricity</li> </ul>	<ul style="list-style-type: none"> <li>Magnetic effects of electric current</li> </ul>	<ul style="list-style-type: none"> <li>Magnetic effects of electric current (Contd.)</li> <li>Sources of energy</li> </ul>		<ul style="list-style-type: none"> <li>Sources of energy (Contd.)</li> </ul>	<ul style="list-style-type: none"> <li>Revision</li> </ul>
<b>Chemistry</b> (Deleted Topics: Refer to Page No.6)	<ul style="list-style-type: none"> <li>Chemical reactions and equations</li> </ul>	<ul style="list-style-type: none"> <li>Chemical reactions and equations</li> </ul>	<ul style="list-style-type: none"> <li>Acids, bases and salts</li> <li>Metals and Non-metals</li> </ul>		<ul style="list-style-type: none"> <li>Metals and Non-metals</li> </ul>	<ul style="list-style-type: none"> <li>Revision of ch-1, 2, 3</li> </ul>
<b>Biology</b> (Deleted Topics: Refer to Page No.6)	<ul style="list-style-type: none"> <li>Ch-6 Life Process</li> </ul>	<ul style="list-style-type: none"> <li>Ch-7 Control and coordination</li> </ul>	<ul style="list-style-type: none"> <li>Ch-7 Control and coordination</li> <li>Ch-8 How do organisms reproduce</li> </ul>		<ul style="list-style-type: none"> <li>Ch-15 Our Environment</li> </ul>	<ul style="list-style-type: none"> <li>Ch-15 Our Environment + Revision</li> </ul>
<b>Social Science</b>	<b>Civics</b> - Ch-1 Power sharing Ch-2 Federalism <b>Geography</b> - Ch-1 Resources and Development <b>History</b> - The Rise of Nationalism in Europe <b>Geography</b> - Ch-2 Forest and Wildlife <b>Economics</b> - Ch-1 Development	<b>History</b> - Ch- 2 Nationalism in India <b>Civics</b> - Ch-3 Democracy and Diversity <b>Economics</b> - Ch-2 Sections of Indian Economy	<b>Economics</b> - Ch-3 Money and Credit <b>Civics</b> - Ch-4 Gender, Religion and Caste <b>Geography</b> - Ch-5 Mineral and Energy Resources Ch-4 Agriculture Ch-3 Water as a resource		<b>History</b> - Ch-3 Indian Nationalism <b>Geography</b> Ch-5 Mineral and energy resources <b>Economics</b> Money and Credit	<b>Geography</b> Ch-6 Manufacturing Industries <b>Demo Politics</b> Ch-6 Political Parties + Revision
<b>Computer Application</b>	<ul style="list-style-type: none"> <li>Basic of Computer</li> <li>Basic of HTML</li> </ul>	<ul style="list-style-type: none"> <li>Chapter-3 HTML-I</li> <li>Chapter-4 HTML-II</li> <li>Lab Activity: Create a HTML page with HTML tags using chapter 3 and 4</li> <li>Assignment : Write all HTML tags with attributes and syntax in fair notebook</li> <li>Term-1 Practical</li> </ul>	<ul style="list-style-type: none"> <li>Chapter-1 Internet Basic</li> <li>Lab Activity: Create a web page in HTML</li> <li>Assignment: In fair notebook write the use, advantage disadvantage and internal terms.</li> <li>Term-1 Practical : Create a web page with table and image</li> <li>Summer Break -</li> <li>Holidays Homework : write 10 HTML tags on A4 size sheet</li> </ul>		<ul style="list-style-type: none"> <li>Chapter-2 Internal Services</li> <li>Lab Activity- In HTML create a web page on given topic</li> <li>Assignment : Write any 4 Internet Services with their advantages and disadvantages</li> <li>Term 1 Practical</li> </ul>	<ul style="list-style-type: none"> <li>Revision and Revision Test</li> </ul>

**Class-X**  
**Syllabus & Monthly Planner 2020-21**

Subject	September-2020	October-2020	November-2020	December-2020	January-2021
<b>English Language &amp; Literature</b>	• Term Examination-I	<b>First Flight</b> – Ch-10 The Sermon at Benaras Poem- <del>The Trees, Fog</del> <b>Footprint without feet</b> – Ch-10 The Book that saved the earth <b>Grammar</b> - Voice	<b>First Flight</b> – Ch-11 The Proposal <b>Poem</b> - The Tale of Custard the Dragon <del>For Anne Gregory</del> <b>Writing Skills</b> - Paragraph Writing, Business Letter <b>Grammar</b> : Narration	• Pre-board-1	• Pre-board-2
<b>Hindi Course-B</b>	• अवधि परीक्षा-1	<b>काव्य खंड</b> – पाठ-8 'कन्यादान' व्याकरण- वाक्य, वाच्य एवं पद परिचय	कृतिका- पाठ-3 'साना-साना' हाथ-जोड़ि	पाठ्यक्रम पुनरावृत्ति • Pre-board-1	पाठ्यक्रम पुनरावृत्ति • Pre-board-2
<b>Maths</b>	• Term Examination-I	• Surface area and Volumes • Circles	• Area related to Circles • Triangles (Continue)	• Triangles • Pre-board-1	• Revision • Pre-board-2
<b>Physics</b> (Deleted Topics: Refer to Page No.6)	• Term Examination-I	• Light – Reflection and Refraction	• Light – Reflection and Refraction (Contd.) and human eye and colourful • Revision	• Pre-board-1	• Pre-board-2
<b>Chemistry</b> (Deleted Topics: Refer to Page No.6)	• Term Examination-I	• Carbon and its compounds	• Periodic classification of elements and periodicity	• Pre-board-1	• Pre-board-2
<b>Biology</b> (Deleted Topics: Refer to Page No.6)	• Term Examination-I	• Ch-9 Heredity and Evolution Basic concepts of Evolution	• Ch-9 Heredity and evolution (Contd.) • Ch-16 Management of Natural Resources (Internal Assessment- My portfolio)	• Revision and Pre-board-1	• Pre-board-2

Subject	September-2020	October-2020	November-2020	December-2020	January-2021
<b>Social Science</b>	<ul style="list-style-type: none"> <li>Term Examination-I</li> </ul>	<b>Economics -</b> Ch-4 Globalisation of Indian Economics <b>History-</b> Ch-4 The making of Global World <b>Geography –</b> Ch-7 Lifeline of National Economy	<b>Demo Politics -</b> Ch-7 Outcomes of Democracy	<ul style="list-style-type: none"> <li>Pre-board-1</li> </ul>	<ul style="list-style-type: none"> <li>Pre-board-2</li> </ul>
<b>Computer Application</b>	Chapter-5 CSS <b>Lab Activity :</b> Create a web page with HTML and CSS <b>Assignment :</b> In table write all CSS properties with their use in syntax.	Chapter-6 Cyberethics Chapter-7 Scratch deleted by CBSE board for the session 2020-21. <b>Assignment :</b> On A4 size sheet paste some cybercrime pics from newspaper	Revision and Revision Tests	Revision and Revision Tests <ul style="list-style-type: none"> <li>Pre-board-1</li> </ul>	Final Practical Exam 2021 <ul style="list-style-type: none"> <li>Pre-board-2</li> </ul>

## PRACTICAL (2020-21)

### PHYSICS

- Experiment-1** To verify Ohm's Law  
**Experiment-2** To prove/test combination of Resistors in Series  
**Experiment-3** To prove/test combination of Resistors in Parallel  
**Experiment-4** To find Focal Length of Concave Mirror and Convex Lens  
**Experiment-5** To observe Refraction through Glass Slab  
**Experiment-6** To observe Refraction through Prism  
**Experiment-7** To test/verify Image Formation by a Convex Lens

### CHEMISTRY

#### **Experiment-1**

- 1) **Finding the PH of the following samples by using PH paper/ universal indicators :**  
a) Dilute Hydrochloric Acid  
b) Dilute NaOH solution  
c) Dilute Ethanoic Acid  
d) Lemon juice  
e) Water  
f) Dilute Hydrogen carbonate solution
- 2) **Studying the properties of acids and gases (HCl and NaOH) on the basis of their reaction with :**  
a) Litmus solution (Blue/ Red)  
b) Zinc metal  
c) Solid Sodium Carbonate

#### **Experiment-2**

- 1) **Performing and observing the following reactions and classification them into :**  
a) Combination reaction  
b) Decomposition  
c) Displacement reaction  
d) Double displacement reaction.  
i) Action of water on quick lime  
ii) Action of heat on Ferrous sulphate crystals  
iii) Iron nails kept in copper sulphate solution.  
iv) Reaction between sodium sulphate and Barium chloride solution.

#### **Experiment-3**

- 1) **Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions.**  
a)  $\text{ZnSO}_4$  (aq.)

- b)  $\text{FeSO}_4$  (aq.)  
c)  $\text{CuSO}_4$  (aq.)  
d)  $\text{Al}_2(\text{SO}_4)_3$  (aq.)

Arrange Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.

#### **Experiment-4**

- 1) Study of the following properties of acetic acid (ethanoic acid)  
a) Odour  
b) Solubility in water  
c) Effect on litmus  
d) Reaction with sodium Hydrogen Carbonate

#### **Experiment-5**

- 1) Study of the comparative cleaning capacity of a sample of soap in soft and hard water.

### BIOLOGY

#### **Experiment-1**

- Experimentally show that carbon dioxide is given out during respiration.

#### **Experiment-2**

- Studying (a) binary fission in Amoeba  
(b) budding in Yeast and Hydra with the help of prepared slides.

## Deleted Portion in Science (Physics, Chemistry, Biology)

### CLASS X

#### Deleted Portion (Theory)

- **Under Unit I: Chemical Substances - Nature and Behaviour**
  - **Metals and Non-metals:** Basic Metallurgical processes; Corrosion and its prevention
  - **Carbon and its Compounds:** Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes, alkanes and alkynes), difference between saturated hydro carbons and unsaturated hydrocarbons. Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid (only properties and uses), soaps and detergents.
- **Under Unit II: World of Living**
  - **Control and co-ordination in animals and plants:** Tropic movements in plants; Introduction of plant hormones; Control and co-ordination in animals: Nervous system; Voluntary, involuntary and reflex action; Chemical co-ordination: animal hormones.
  - **Heredity and Evolution:** Basic concepts of evolution.
- **Under Unit III: Natural Phenomena**
  - **The Human Eye and the Colourful World:** Functioning of a lens in Human eye, defects of vision and their corrections, applications of spherical mirrors and lenses.
- **Under Unit IV: Effects of Current**
  - **Magnetic Effects of Electric Current:** Electric Generator, Direct current. Alternating current: frequency of AC. Advantage of AC over DC. Domestic electric circuits.
- **Under Unit V: Natural Resources**
  - **Sources of energy:** Different forms of energy, conventional and non-conventional sources of energy: Fossil fuels, solar energy; biogas; wind, water and tidal energy; Nuclear energy. Renewable versus non-renewable sources of Energy.

#### ● DELETED PRACTICALS

1. Finding the pH of the following samples by using pH paper/universal indicator:
  - Dilute Hydrochloric Acid
  - Dilute NaOH solution
  - Dilute Ethanoic Acid solution
  - Lemon juice
  - Water
  - Dilute Hydrogen Carbonate solution
2. Determination of the equivalent resistance of two resistors when connected in series and parallel.
3. Preparing a temporary mount of a leaf peel to show stomata.
4. Study of the following properties of acetic acid (ethanoic acid):
  - Odour
  - solubility in water
  - effect on litmus
  - reaction with Sodium Hydrogen Carbonate
5. Study of the comparative cleaning capacity of a sample of soap in soft and hard water.
6. Finding the image distance for varying object distances in case of a convex lens and drawing corresponding ray diagrams to show the nature of image formed.
7. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).