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Class-X Syllabus & Monthly Planner 2020-21

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

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

Class-X
Syllabus & Monthly Planner 2020-21

Subject	September-2020	October-2020	November-2020	December-2020	January-2021
English Language & Literature	• Term Examination-I	First Flight – Ch-10 The Sermon at Benaras Poem- The Trees, Fog Footprint without feet – Ch-10 The Book that saved the earth Grammar - Voice	First Flight – Ch-11 The Proposal Poem - The Tale of Custard the Dragon For Anne Gregory Writing Skills - Paragraph Writing, Business Letter Grammar: Narration	• Pre-board-1	• Pre-board-2
Hindi Course-B	• अवधि परीक्षा-1	काव्य खंड – 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
Maths	• Term Examination-I	• Surface area and Volumes • Circles	• Area related to Circles • Triangles (Continue)	• Triangles • Pre-board-1	• Revision • Pre-board-2
Physics (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
Chemistry (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
Biology (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
Social Science	<ul style="list-style-type: none"> • Term Examination-I 	Economics - Ch-4 Globalisation of Indian Economics History- Ch-4 The making of Global World Geography – Ch-7 Lifeline of National Economy	Demo Politics - Ch-7 Outcomes of Democracy	<ul style="list-style-type: none"> • Pre-board-1 	<ul style="list-style-type: none"> • Pre-board-2
Computer Application	Chapter-5 CSS Lab Activity : Create a web page with HTML and CSS Assignment : 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. Assignment : On A4 size sheet paste some cybercrime pics from newspaper	Revision and Revision Tests	Revision and Revision Tests <ul style="list-style-type: none"> • Pre-board-1 	Final Practical Exam 2021 <ul style="list-style-type: none"> • Pre-board-2

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 :**

- Dilute Hydrochloric Acid
- Dilute NaOH solution
- Dilute Ethanoic Acid
- Lemon juice
- Water
- Dilute Hydrogen carbonate solution

- 2) **Studying the properties of acids and gases (HCl and NaOH) on the basis of their reaction with :**

- Litmus solution (Blue/ Red)
- Zinc metal
- Solid Sodium Carbonate

Experiment-2

- 1) **Performing and observing the following reactions and classification them into :**

- Combination reaction
- Decomposition
- Displacement reaction
- Double displacement reaction.
 - Action of water on quick lime
 - Action of heat on Ferrous sulphate crystals
 - Iron nails kept in copper sulphate solution.
 - 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.**

- ZnSO₄ (aq.)

- FeSO₄ (aq.)
- CuSO₄ (aq.)
- Al₂(SO₄)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)
- Odour
 - Solubility in water
 - Effect on litmus
 - 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

- (CHEMISTRY)
- **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

- (BIOLOGY)
- **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

- (BIOLOGY)
- **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

- (PHYSICS)
- **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

- (PHYSICS)
- **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).