

KERALA PUBLIC SCHOOL

ACADEMIC YEAR 2020-2021

REVISED PORTION FOR MID TERM

STD:10

SUBJECT

MID TERM

ENGLISH

Literature

Poem (First Flight)

- Dust Of Snow
- Fire And Ice
- A Tiger In The Zoo
- The Ball Poem
- Amanda
- Animals

Prose

- Madam Rides the Bus FF
- Letter To God, FF
- Nelson Mandela, FF
- Two Stories About Flying, FF
- From The Diary Of Anne Frank, FF
- Hundred Dresses I,FF
- Hundred Dresses II, FF
- A Triumph Of Surgery, FF
- The Thief's Story, FF
- Footprints Without Feet FF

Language

Reading Skills

Writing Skills

Letter Writing (Editor, Placing Order, Complaint, Inquiry)

Grammar

- Edit the Text (Editing Or Omission)
- Gap-Filling (Tenses, Modals, Subject-Verb concord, Determiners)
- Sentence Transformation In Context
- Re-arrange the sentences
- Reported Speech

HINDI

खण्ड ग- पाठ्य पुस्तक

1. नेताजी का चश्मा
2. सूरदास के पद
3. बालगोबिन भगत
4. उत्साह, अट नहीं रही है
5. लखनवी अंदाज
6. माता का अंचल (कृतिका)
7. जार्ज पंचम की नाक (कृतिका)

खण्ड क- अपठित बोध

अपठित गद्यांश

खण्ड ख- व्यवहारिक व्याकरण

वाक्य भेद

पद-परिचय

वाच्य एवं भेद

रस एवं भेद

खण्ड घ- लेखन

अनुच्छेद-लेखन

पत्र-लेखन

विज्ञापन-लेखन

संदेश-लेखन

Ch-1 Real Numbers

Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples, Proofs of irrationality of $\sqrt{2}, \sqrt{3}, \sqrt{5}$.

Decimal representation of rational numbers in terms of terminating/non-terminating recurring decimals.

Ch-2 Polynomials

Zeros of a polynomial. Relationship between zeros and coefficients of quadratic polynomials.

Ch-3 Pair of Linear Equations in two variables

Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency. Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables algebraically - by substitution, by elimination. Simple situational problems. Simple problems on equations reducible to linear equations.

Ch-6 Triangles

Definitions, examples, counter examples of similar triangles.

1. (Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.
2. (Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side.
3. (Motivate) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar.
4. (Motivate) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar.
5. (Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.
6. (Motivate) If a perpendicular is drawn from the vertex of the right angle of a right triangle to the hypotenuse, the triangles on each side of the perpendicular are similar to the whole triangle and to each other.
7. (Prove) In a right triangle, the square on the hypotenuse is equal to the sum of the squares on the other two sides.

Ch-8 Trigonometry

1. INTRODUCTION TO TRIGONOMETRY (8) Periods Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined). Values of the trigonometric ratios of 30° , 45° and 60° . Relationships between the ratios.

2. TRIGONOMETRIC IDENTITIES (10) Periods Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$. Only simple identities to be given.

Ch-9 Heights and Distance+B6:B8

Simple problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation / depression should be only 30° , 45° , 60° .

Ch-11 Constructions(Ex-11.1)

1. Division of a line segment in a given ratio (internally).

Ch-14 Statistics

Mean, median and mode of grouped data (bimodal situation and step deviation method for finding the mean to be avoided).

Ch-15 Probability

Classical definition of probability. Simple problems on finding the probability of an event

<p>PHYSICS</p>	<p>PHYSICS UNIT 4 Ch-12. Electricity</p> <p>Charge, Electric Current, Potential difference, Symbols for circuit component Circuit Diagrams, Ohm's Law, Resistance Factors affecting Resistance. Resistivity. Series and Parallel combination of Resistances and its application in daily life. Joule's Law of heating, heating effect of electric current and its application in daily life, Electric Power, Interrelationship between P, V, I and R</p> <p>Ch-13 Magnetic Effects of Electric Current Magnetic field by bar Magnet, field lines, field due to current carrying conductor, field due to current carrying coil or Solenoid, Force on current carrying conductor Force experienced by wire in magnetic field (Fleming's left hand rule) Electric Motor, Electromagnetic Induction - Induced potential and induced current Fleming's Right hand rule</p>
<p>BIOLOGY</p>	<p>BIOLOGY UNIT 2 Ch –6 Life processes Life process – living beings, Nutrition – autotrophic & Heterotrophic, Respiration, Transportation, Excretion in plants and animals</p> <p>Ch – 8 How do organisms reproduce Reproduction in plants and animals (asexual and sexual), Reproductive health need and methods of family planning. Safe sex versus HIV/AIDS. Child bearing and women health</p>
<p>CHEMISTRY</p>	<p>CHEMISTRY UNIT 1 Ch 1 – Chemical Reaction and Equation Chemical equation, balance chemical equation (hit and trial method) and word equation Implication of balanced chemical equation Types of chemical reaction – combination reaction, decomposition reaction, simple displacement reaction, Precipitation reaction, neutralization reaction, Oxidation and Reduction</p> <p>Ch – 2 Acid bases and Salts Definition in terms of furnishing H^+ and OH^- Chemical properties of acid, bases and salts, their properties, examples and uses. Concept of pH scale, Importance of pH in everyday life Preparation and uses of sodium hydroxide, Bleaching powder, Baking soda, Washing soda and plaster of paris.</p> <p>Ch- 3 Metals and non-metals Properties of metals and non-metals, Reactivity series of metals, Formation and properties of Ionic compound.</p>

<p>COMPUTER</p>	<p>UNIT 1: NETWORKING CHAPTER 1. INTRODUCTION ON INTERNET CHAPTER 2. INTERNET SERVICES UNIT 2: HTML5 CHAPTER 3. INTRODUCTION TO HTML5</p>
<p>SOCIAL SCIENCE</p>	<p>History Ch- The age of industrialization Geography Ch-1 Resources and Development Ch- 3 Water Resources (Only map work) Ch- 4 Agriculture Civics Ch-1 Power Sharing Ch- 2 Federalism Economics Ch- 1 Development Ch- 2 Sectors of the Indian economy</p> <p>B. GEOGRAPHY (Outline Political Map of India) Chapter 1: Resources and Development (Identification only) a. Major soil Types Chapter 3: Water Resources (Locating and Labelling) Dams: a. Salal b. Bhakra Nangal c. Tehri d. Rana Pratap Sagar e. Sardar Sarovar f. Hirakud g. Nagarjuna Sagar h. Tungabhadra</p> <p>Chapter 4: Agriculture (Identification only) a. Major areas of Rice and Wheat b. Largest / Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and jute.</p>

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