



DELHI PUBLIC SCHOOL (JOKA), SOUTH KOLKATA
SYLLABUS [2020 – 2021]
CLASS X

ENGLISH

PERIODIC TEST - I

1. **Reading Comprehension (Unseen Passage)**
2. **Writing Skill**
 - Formal Letter
3. **Grammar**
 - Tenses (Past, Present and Future)
 - Determiners
4. **Literature:**

First Flight

- A Letter to God
- Dust of Snow
- Fire and Ice
- Nelson Mandela: Long Walk to Freedom
- A Tiger in the Zoo
- Two Stories about Flying
- From the Diary of Anne Frank

Footprints Without Feet

- A Triumph of Surgery
- The Thief's Story

MIDTERM EXAMINATION

1. **Reading Comprehension (Unseen Passages)**
2. **Writing Skills**
 - Formal Letter
 - Analytical Paragraph
3. **Grammar**
 - Tenses (Past, Present and Future)
 - Determiners
 - Subject- Verb Concord

4. Literature

First Flight

- A Letter to God
- Dust of Snow
- Fire and Ice
- Nelson Mandela: Long Walk to Freedom
- A Tiger in the Zoo
- Two Stories about Flying
- From the Diary of Anne Frank
- The Ball Poem
- Amanda
- The Hundred Dresses-I

Footprints Without Feet

- A Triumph of Surgery
- The Thief's Story
- Footprints Without Feet
- The Making of a Scientist

Assessment of Listening and Speaking Skills

Tools: Preparation of Scripts for Role Play.

PERIODIC TEST - II

1. Reading Comprehension (Unseen Passage)

2. Writing Skills

- Formal Letter
- Analytical paragraph

3. Grammar

- Reported Speech (Commands and requests, Statements, Questions)

4. Literature

First Flight

- The Hundred Dresses-II
- Animals
- Glimpses of India
- Madam Rides the Bus
- The Tale of Custard the Dragon
- The Sermon at Benaras

Footprints Without Feet

- The Necklace
- The Hack Driver

**** IN CBSE CLASS - X EXAMINATION THE ENTIRE YEAR'S SYLLABUS WILL BE ASSESSED.**

Assessment of Listening and Speaking Skills

Tools: Synopsis of Five Acclaimed Stories. (The students may choose stories on their own volition. The choice of stories is to be based on three Indian authors and two foreign authors)

TOPICS DELETED

Literature:

First Flight

- How to Tell Wild Animals
- Trees
- Fog
- Mijbil the Otter
- For Anne Gregory

Footprints Without Feet

- The Midnight Visitor
- A Question of Trust
- The Book That Saved the Earth

Grammar

- Use of Passive Voice
- Clauses- Noun, Adverb, Relative
- Prepositions

MATHEMATICS

PERIODIC TEST - I

Chapters

1. Real Numbers
2. Polynomials
3. Linear Equations In Two Variables
4. Areas Related To Circles

MIDTERM EXAMINATION

Chapters

1. Real Numbers
2. Polynomials
3. Linear Equations In Two Variables
4. Areas Related To Circles
5. Trigonometry
6. Heights And Distances
7. Quadratic Equations
8. Statistics
9. Probability
10. Circles

PERIODIC TEST - II

Chapters

1. Arithmetic Progressions
2. Co-Ordinate Geometry
3. Surface Areas And Volumes

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DECUCTED PORTION

CHAPTER	TOPICSREMOVED
UNITI-NUMBERSYSTEMS	
REALNUMBERS	<input type="checkbox"/> Euclid's division lemma
UNITII-ALGEBRA	
POLYNOMIALS	<input type="checkbox"/> Statement and simple problems on division
PAIROFLINEAREQUATIONSIN TWOVARIABLES	<input type="checkbox"/> cross multiplication method
QUADRATICEQUATIONS	<input type="checkbox"/> Situational problems based on equations
ARITHMETICPROGRESSIONS	<input type="checkbox"/> Application in solving daily life problems based on sum
UNITIII-COORDINATEGEOMETRY	
COORDINATE GEOMETRY	<input type="checkbox"/> Area of a triangle.
UNITIV-GEOMETRY	
TRIANGLES	Proof of the following theorems are deleted <input type="checkbox"/> The ratio of the areas of two similar triangles is equal to the ratio of the squares of the ircorresponding sides. <input type="checkbox"/> In a triangle, if the square on one side is equal to sum
CIRCLES	No deletion
CONSTRUCTIONS	<input type="checkbox"/> Construction of a triangle similar to a given triangle.
UNITV-TRIGONOMETRY	
INTRODUCTIONTOTRIGONOMETRY	<input type="checkbox"/> motivate the ratios which ever are defined at 0° and 90°
TRIGONOMETRIC IDENTITIES	<input type="checkbox"/> Trigonometric ratios of complementary angles.
HEIGHTSANDDISTANCES	No deletion
UNITVI-MENSURATION	
AREASRELATEDTOCIRCLES	<input type="checkbox"/> Problems on central angle of 120°
SURFACEAREASAND VOLUMES	<input type="checkbox"/> Frustum of a cone.

UNIT VI-STATISTICS&PROBABILITY	
STATISTICS	<input type="checkbox"/> Step deviation Method for finding the mean <input type="checkbox"/> Cumulative Frequency graph
PROBABILITY	No deletion

SOCIAL SCIENCE

PERIODIC TEST - I

History

- Ch I-The Rise of Nationalism in Europe

Civics

- Ch 1-Power Sharing

Geography

- Ch 1-Resource and development

Economics

- Ch 1-Development
- Ch 3-Money and Credit

MIDTERM EXAMINATION

History

- Ch I-The Rise of Nationalism in Europe
- Ch III-Nationalism in India Map

pointing from Chapter 3

Civics

- Ch 1-Power Sharing
- Ch 2-Federalism
- Ch 7-Outcomes of Democracy

Geography

- Ch 1-Resource and development
- Ch 4- Agriculture
- Ch 3-Water Resources (only map)
- Ch 5-Minerals and energy resources (only map)

Economics

- Ch 1-Development
- Ch 2-Sectors of Indian economy
- Ch 3-Money and Credit

PERIODIC TEST - II

History

- Ch V-Age of Industrialization (Only for internal assessment)

Civics

- Ch 6-Political Parties

Geography

- Ch-6 Manufacturing industries
- Ch-7 Lifelines of National Economy

Economics

- Ch-4 Globalisation and the Indian Economy. SUBJECT ENRICHMENT ACTIVITY: Map pointing

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TOPICS DELETED

History

Section I: Events and Processes

- Chapter II- The Nationalist Movement in Indo –China

Section II: Livelihoods, Economies and Societies

- Chapter IV- The Making of a Global World
- Chapter VI- Work, Life and Leisure

Section III: Everyday Life, Culture and Politics

- Chapter VII- Print culture and the Modern World
- Chapter VIII- Novels, Society and History

Civics

Unit II

- Chapter 3- Democracy and diversity
- Chapter 4- Gender, Religion and Caste

Unit III

- Chapter 5- Popular Struggles and movements

Unit IV

- Chapter 8- Challenges to Democracy

Geography

- Ch 2- Forest and Wildlife (Complete Chapter)
- Ch 3- Water Resources (Complete chapter except for Map Items which will be assessed in the examination)
- Ch 5- Mineral and Energy Resources (Complete Chapter except for Map Items which will be assessed in the Examination)

Economics

- Ch 5- Consumer Rights

SCIENCE

PERIODIC TEST - I

Biology

1. Life Processes

Chemistry

1. Chemical Reactions and Equations {Nature and Behaviour Chemical reactions: Chemical equation, Balanced chemical equation, implications of a balanced chemical equation, types of chemical reactions: combination, decomposition, displacement, double displacement, precipitation, neutralization, oxidation and reduction.}
2. Acids, Bases and Salts: {Their definitions in terms of furnishing of H^+ and OH^- ions, General properties, examples and uses, concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life; preparation and uses of Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris}.

PRACTICAL

Performing and observing the following reactions and classifying them into:

- A. Combination reaction
 - B. Decomposition reaction
 - C. Displacement reaction
 - D. Double displacement reaction
- i. Action of water on quicklime
 - ii. Action of heat on ferrous sulphate crystals
 - iii. Iron nails kept in copper sulphate solution
 - iv. Reaction between sodium sulphate and barium chloride solutions

PRACTICAL

Studying the properties of acids and bases (HCl & $NaOH$) on the basis of their reaction with:

- A. Litmus solution (Blue/Red) Unit-I
- B. Zinc metal
- C. Solid sodium carbonate

Physics

1. Electricity { Electric current, potential difference and electric current. Ohm's law; Resistance, Resistivity, Factors on which the resistance of a conductor depends. Series combination of resistors, parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R.

PRACTICAL

Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determining its resistance. Also plotting a graph between V and I.

MIDTERM EXAMINATION

Biology

1. Reproduction
2. Life Processes

PRACTICAL

1. Experimentally show that carbon dioxide is given out during Respiration
2. Studying (a) binary fission in Amoeba (b) budding in Yeast and Hydra with the help of prepared slides.

Chemistry

1. Chemical Reactions and Equations { The topics are same as covered in periodic test 1 }
2. Acids, Bases and Salts { The topics are same as covered in periodic test 1 }
3. Metals and Non-Metals { Properties of metals and non-metals; Reactivity series; Formation and and properties of ionic compound. }

PRACTICAL

Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:

i) $\text{ZnSO}_4(\text{aq})$ ii) $\text{FeSO}_4(\text{aq})$ iii) $\text{CuSO}_4(\text{aq})$ iv) $\text{Al}_2(\text{SO}_4)_3(\text{aq})$

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

Physics

1. Electricity { Electric current, potential difference and electric current. Ohm's law; Resistance, Resistivity, Factors on which the resistance of a conductor depends. Series combination of resistors, parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R }

2. Light– Reflection and Refraction { Reflection of light by curved surfaces; Images formed by

spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula (Derivation not required), magnification. Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula (Derivation not required); Magnification. Power of a lens }

PRACTICAL

1. Determination of the focal length of (i) Concave mirror and (ii) Convex lens by obtaining the image of a distant object.
2. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.

PERIODIC TEST – II

Biology

1. Heredity
2. Our Environment

Chemistry

1. Carbon and its Compound { Covalent bonding in carbon compounds. Versatile nature of carbon. homologous series }
2. Periodic Classification of Elements { Need for classification, early attempts at classification of elements (Dobereiner's Triads, Newland's Law of Octaves, Mendeleev's Periodic Table), Modern periodic table, gradation in properties, valency, atomic number, metallic and non-metallic properties. }

Physics

1. Human Eye and Colourful World { Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life. }
2. Magnetic Effects of Electric Current { Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid; Force on current carrying conductor, Fleming's Left Hand Rule, Electric Motor, Electromagnetic induction. Induced potential difference, Induced current. Fleming's Right Hand Rule }

PRACTICAL

Tracing the path of the rays of light through a glass prism.

**** IN CBSE CLASS - X EXAMINATION THE ENTIRE YEAR'S SYLLABUS WILL BE ASSESSED.**

DELETED CHAPTERS

1. Control and co-ordination in animals and plants
2. Evolution: Basic concepts of evolution
3. Natural Resources

DELETED PRACTICALS

1. Preparing a temporary mount of a leaf peel to show stomata
2. Identification of different parts of an embryo of dicot seed { pea, gram or red kidney bean }

PHYSICS

DELETED CHAPTERS

1. 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.

2. Magnetic Effects of Electric Current:

Electric Generator, Direct current. Alternating current: frequency of AC. Advantage of AC over

DC. Domestic electric circuits.

3. 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. Determination of the equivalent resistance of two resistors when connected in series and parallel.
2. 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.

CHEMISTRY

DELETED PORTIONS

1. Metals and Non-metals: Basic Metallurgical processes; Corrosion and its prevention

2. Carbon and its Compounds: Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes, alkanes and alkynes), difference between saturated hydrocarbons 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.

PRACTICAL

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. Study of the following properties of acetic acid (ethanoic acid): Odour , solubility in water , effect on litmus , reaction with Sodium Hydrogen Carbonate
3. Study of the comparative cleaning capacity of a sample of soap in soft and hard water.

BENGALI (2ND LANGUAGE)

PERIODIC TEST - I

সাহিত্য : জ্ঞানচক্ষু.(গদ্য)

তিন পাহাড়ের কোলে .(পদ্য)

সহায়ক পাঠ : শিলাদিত্য ..

ব্যাকরণ : ব্যঞ্জন সন্ধি .

নির্মিতি : বোধপরীক্ষণ.

MIDTERM EXAMINATION

সাহিত্য : জ্ঞানচক্ষু.(গদ্য)

তিন পাহাড়ের কোলে .(পদ্য)

আলোবাবু(গদ্য)

সহায়ক পাঠ : শিলাদিত্য গোহ .

ব্যাকরণ : ব্যঞ্জন সন্ধি . বাক্য পরিবর্তন,

নির্মিতি : পত্ররচনা , (ব্যক্তিগত)অনুচ্ছেদ লিখন . বোধপরীক্ষণ,

PERIODIC TEST -II

সাহিত্য : বহুরূপী.(গদ্য)

আয় আরো বেঁধে বেঁধে থাকি (পদ্য).

সহায়ক পাঠ : গোহ.

ব্যাকরণ : সাধু ও চলিত রীতি

নির্মিতি : বোধ পরীক্ষণ.

**** IN CBSE CLASS - X EXAMINATION THE ENTIRE YEAR'S SYLLABUS
WILL BE ASSESSED.**

TOPICS DELETED

COMPUTER

<u>MID TERM EXAMINATION</u>	Unit1. Communication skills- II Unit3. Information and Communication Technology Skills-1 Unit6. Web Applications (Basics) Unit7. Word Processing (Intermediate)
<u>ANNUAL EXAMINATION</u>	Unit 2. Self-Management Skills - II Unit 8. Spreadsheet (Intermediate) Unit9. Digital Presentation (Intermediate) Unit11. Data Base Development (Basics)

TOPICS DELETED

Unit 4	Entrepreneurial Skills II
Unit 5	Green Skills II
Unit 10	Email Messaging(Intermediate)