



**DELHI PUBLIC SCHOOL (JOKA), SOUTH KOLKATA**  
**SYLLABUS 2020 – 2021**  
**CLASS IX**

**ENGLISH**

**PERIODIC TEST - I**

**1. Reading Comprehension(Unseen Passages)**

**2. Writing Skills**

- Story Writing

**3. Grammar**

- Tenses (Past, Present and Future)
- Modals

**4. Literature**

Beehive

- The Fun They Had
- The Sound of Music
- The Road not Taken
- Wind
- The Little Girl
- A Truly beautiful Mind
- Rain on the Roof

**MIDTERM EXAMINATION**

**1. Reading Comprehension (Unseen Passages)**

**2. Writing Skills:**

- Descriptive Paragraph on a person
- Story Writing

**3. Grammar**

- Tenses (Past, Present and Future)
- Modals
- Subject- Verb Concord

**4. Literature:**

Beehive

- The Fun They Had
- The Sound of Music

- The Road not Taken
- Wind
- The Little Girl
- A Truly beautiful Mind
- Rain on the Roof
- My Childhood

Supplementary Reader: MOMENTS

- The Lost Child
- The Adventures of Toto
- In the kingdom of fools
- The Happy Prince

**Assessment of Listening and Speaking Skills**

**Tools**

Preparation of script for role play

**PERIODIC TEST - II**

**1. Reading Comprehension (Unseen Passage)**

**2. Writing Skills:**

- Diary Entry

**3. Grammar**

- Reported Speech

**4. Literature**

Beehive

- Packing
- Reach for the top
- A legend of the Northland
- No men are foreign
- The Bond of Love
- On killing a tree
- The Snake Trying

**ANNUAL EXAMINATION**

**1. Reading Comprehension (Unseen Passages)**

**2. Writing Skills:**

- Story Writing
- Descriptive Paragraph(On a person)

- Diary Entry

### 3. Grammar:

- Tenses (Past, Present and Future)
- Modals
- Subject- Verb Concord
- Reported Speech
- Determiners

### 4. Literature:

#### Beehive

- The Fun They Had
- The Sound of Music
- The Road not Taken
- Wind
- The Little Girl
- A Truly beautiful Mind
- Rain on the Roof
- My Childhood
- Packing
- Reach for the top
- A legend of the Northland
- No men are foreign
- The Bond of Love
- On killing a tree
- The Snake Trying
- If I were you

#### Supplementary Reader: MOMENTS

- The Lost Child
- The Adventures of Toto
- In the kingdom of fools
- The Happy Prince
- Weathering the Storm in Ersama
- The Last Leaf
- A House is Not a Home
- The Beggar

### **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**

### **Grammar:**

- Uses of Passive Voice
- Clauses- Noun, Adverb Clause of condition and time, Relative
- Preposition

### **Writing Skills:**

- Letter on a situation
- Descriptive paragraph on a place and event.

### **Literature:**

#### **Beehive**

- The Lake Isle of Innisfree
- The Snake and the Mirror
- The Duck and the Kangaroo
- Kathmandu
- A Slumber did My Spirit Seal

#### **Moments**

- Ishwaran the Storyteller
- The Accidental Tourist

## MATHEMATICS

### **PERIODIC TEST – I**

Ch. -2: Polynomials

Ch. -6: Lines and Angles

Ch. -12: Heron's Formula

Ch. -13: Surface Areas and Volumes

*Subject Enrichment Activity: - Ch.-12: Heron's Formula*

### **MIDTERM EXAMINATION**

Ch. - 1: Number Systems

Ch. - 2: Polynomials

Ch. -3: Coordinate Geometry

Ch. -4: Linear Equations in Two Variables

Ch. -6: Lines and Angles

Ch. -7: Triangles

Ch. -12: Heron's Formula

Ch. -13: Surface Areas and Volumes

### **PERIODIC TEST – II**

Ch. -8: Quadrilaterals

Ch. -14: Statistics

Ch. -15: Probability

*Subject Enrichment Activity: - Ch.-15: Probability*

### **ANNUAL EXAMINATION**

Ch. -1: Number Systems

Ch. -2: Polynomials

Ch. -3: Coordinate Geometry

Ch. -4: Linear equations in Two variables

Ch. -6: Lines and Angles

Ch. -7: Triangles

Ch. -8: Quadrilaterals

Ch. -10: Circles

Ch. -11: Constructions

Ch. -12: Heron's Formula

Ch. -13: Surface Areas and Volumes

Ch. -14: Statistics

Ch. -15: Probability

**DECUCTED PORTION**

<b>CHAPTER</b>	<b>TOPICS REMOVED</b>
UNIT I-NUMBER SYSTEMS	
REAL NUMBERS	<ul style="list-style-type: none"><li>• Representation of terminating / non-terminating recurring decimals on the number line through successive magnification.</li><li>• Explaining that every real number is represented by a unique point on the number line and conversely, viz. every point on the number line represents a unique real number.</li><li>• Definition of nth root of a real number.</li></ul>
UNIT II-ALGEBRA	
POLYNOMIALS	<ul style="list-style-type: none"><li>• Motivate and State the Remainder Theorem with examples.</li><li>Statement and proof of the Factor Theorem.</li><li>• <math>x^3+y^3+z^3-3xyz</math></li></ul>
LINEAR EQUATIONS IN TWO VARIABLES	<ul style="list-style-type: none"><li>• Examples, problems on Ratio and Proportion</li></ul>
UNIT III-COORDINATE GEOMETRY	
COORDINATE GEOMETRY	No deletion
UNIT IV-GEOMETRY	
INTRODUCTION TO EUCLID'S GEOMETRY	Delete the Chapter
LINES AND ANGLES	No deletion
TRIANGLES	<ul style="list-style-type: none"><li>• Proof of the theorem deleted- Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle (ASA Congruence).</li><li>• Topic Deleted-Triangle inequalities and relation between 'angle and facing side' inequalities in triangles</li></ul>
QUADRILATERALS	No deletion
AREA	Delete the Chapter
CIRCLES	<ul style="list-style-type: none"><li>• There is one and only one circle passing through three given non-collinear points.</li><li>• If a line segment joining two points subtends equal angle at two other points lying on the same side of the line</li></ul>

	containing the segment, the four points lie on a circle.
CONSTRUCTIONS	<ul style="list-style-type: none"> <li>• Construction of a triangle of given perimeter and base angles</li> </ul>
UNIT V-MENSURATION	
AREAS	<ul style="list-style-type: none"> <li>• Application of Heron's Formula in finding the area of a quadrilateral.</li> </ul>
SURFACE AREAS AND VOLUMES	No deletion
UNIT VI-STATISTICS & PROBABILITY	
STATISTICS	<ul style="list-style-type: none"> <li>• Histograms (with varying base lengths),</li> <li>• Frequency polygons.</li> <li>• Mean, median and mode of ungrouped data.</li> </ul>
PROBABILITY	No deletion

## **SOCIAL SCIENCE**

### **PERIODIC TEST - I**

#### **History**

- Ch I-The French Revolution

#### **Civics**

- Ch 1-What is democracy? Why democracy?

#### **Geography**

- Ch 1-India-Size and Location
- Ch 2-Physical Features of India

#### **Economics**

- Ch 1-The story of village Palampur

### **MIDTERM EXAMINATION**

#### **History**

- Ch I-The French Revolution
- Ch II-Socialism in Europe and Russian Revolution Maps on the relevant chapters

#### **Civics**

- Ch 1-What is democracy? Why democracy?
- Ch 2-Constitutional Design (Democratic Constitution in South Africa excluded)

#### **Geography**

- Ch 1-India-Size and Location
- Ch 2-Physical Features of India
- Ch 3-Drainage (only map)
- Ch 5-Natural vegetation and wildlife

#### **Economics**

- Ch 1-The story of village Palampur
- Ch 2-People as Resource



## **PERIODIC TEST - II**

### **History**

- Ch III-Nazism and the rise of Hitler

### **Civics**

- Ch 3-Electoral politics

**SUBJECT ENRICHMENT ACTIVITY:** Role Play on any one of the History chapters. (Monologue on Historical speeches or a speech on ‘The Dark charisma of Hitler’)

### **Geography**

- Ch 4-Climate

### **Economics**

- Ch 3-Poverty as a Challenge

**SUBJECT ENRICHMENT ACTIVITY:** Map pointing

## **ANNUAL EXAMINATION**

(As per revised CBSE guidelines)

### **History**

- Ch I-The French Revolution
- Ch II-Socialism in Europe and the Russian Revolution
- Ch III-Nazism and the rise of Hitler Maps

on the relevant chapters

### **Civics**

- Ch 1-What is democracy? Why democracy?
- Ch 2-Constitutional Design (Democratic Constitution in South Africa excluded)
- Ch 3-Electoral Politics
- Ch 4-Working of Institutions

### **Geography**

- Ch 1-India-Size and Location
- Ch 2-Physical Features of India
- Ch 3-Drainage (Only Map)
- Ch 4-Climate
- Ch 5-Natural vegetation and wildlife

### **Economics**

- Ch 1-The story of village Palampur
- Ch 2-People as Resource
- Ch 3-Poverty as a Challenge

Note: Project on Disaster Management- Class Discussion

## **TOPICS DELETED**

### **History**

- Ch IV- Forest Society and Colonialism
- Ch V- Pastoralists in the Modern world
- Ch VI- Peasants and Farmers
- Ch VII- History and Sports- The Story of Cricket.
- Ch VIII- Clothing: A Social History

### **Civics**

- Ch 2- Constitutional Design (Only Democratic Constitution in South Africa)
- Ch 5- Democratic Rights

### **Geography**

- Ch 3- Drainage (Complete chapter except for Map Items which will be assessed in the examination)
- Ch 6- Population (Complete Chapter)

### **Economics**

- Ch 4- Food Security in India (Complete Chapter)

## SCIENCE

### **PERIODIC TEST - I**

#### **Physics**

- 1- Motion [Activity – power-point presentation on equations of motion using graph]
- 2- Force and Newton's laws of motion

#### **Chemistry**

1. Atoms and Molecules.

**Practical:** Verification of the law of conservation of mass in a chemical reaction.

#### **Biology**

1. Cell-The Basic unit of life (Cell-Fundamental unit of life)  
[Activity- Potato Osmoscope]

### **MIDTERM EXAMINATION**

#### **Physics**

- 1- Motion
- 2- Force and Newton's laws of motion-

[Activity- power-point presentation on conservation of momentum]

- 3- Gravitation - Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall.

#### **PRACTICAL**

1. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.

#### **Chemistry**

1. Atoms and Molecules
2. Structure of the Atom

#### **Biology**

- i. Tissues
- ii. Cell-The Basic unit of life (Cell-Fundamental unit of life)

## **PRACTICAL**

1. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells and to record observations and draw their labelled diagrams.

## **PERIODIC TEST – II**

### **Physics**

1- Work and Energy [Practical explanation on condition of work in day to day life]

### **Chemistry**

1. Is matter around us Pure

## **PRACTICAL**

A. Preparation of

a) A true solution of common salt, sugar and alum

b) A suspension of soil, chalk powder and fine sand in water

c) A colloidal solution of starch in water and egg albumin/milk in water

and distinction between these on the basis of: ▪ transparency ▪ filtration criterion ▪ stability

B. Preparation of

a) A mixture

b) A compound using iron filings and sulphur powder and distinguishing between these on the basis of: (i) appearance, i.e., homogeneity and heterogeneity (ii) behaviour towards a magnet (iii) behaviour towards carbon disulphide as a solvent (iv) effect of heat

C. Perform the following reactions and classify them as physical or chemical changes:

a) Iron with copper sulphate solution in water b) Burning of magnesium ribbon in air c)

Zinc with dilute sulphuric acid d) Heating of copper sulphate crystals e) Sodium sulphate with barium chloride in the form of their solutions in water

### **Biology**

1. Why do we fall ill?

[Activity – Power-Point presentation on Communicable and Non-communicable diseases]

## **ANNUAL EXAMINATION**

### **Physics**

1- Motion

2- Force and Newton's laws of motion

3- Gravitation

4- Work and Energy

## **PRACTICAL**

2. Establishing the relation between the loss in weight of a solid when fully immersed in

a) Tap water

b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.

### **Chemistry**

1. Is matter around us Pure
2. Atoms and Molecules
3. Structure of the Atom

### **Biology**

- i. Tissues
- ii. Cell-The Basic unit of life (Cell-Fundamental unit of life)
- iii. Why do we fall ill?

### **CHAPTER ONLY FOR INTERNAL ASSESSMENT**

Natural Resources (Project- Poster making/ Power point presentation/ Enquiry based scientific investigations)

### **PRACTICAL**

1. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres and nerve cells in animals, from prepared slides. Draw their labelled diagrams.

### **TOPICS DELETED**

#### **PHYSICS**

##### **Deleted Chapters**

1. Floatation: Thrust and Pressure. Archimedes' Principle; Buoyancy; Elementary idea of Relative Density.

2. Sound: Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; Echo and SONAR. Structure of the Human Ear (Auditory aspect only).

##### **Deleted Practicals**

1. Verification of the Laws of reflection of sound.
2. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring).

#### **CHEMISTRY**

##### **1.Deleted Chapters**

Matter in Our Surroundings: Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state-melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation.

## **2.DeletedPracticals**

1. Separation of the components of a mixture of sand, common salt and ammonium chloride (or camphor).
2. Determination of the melting point of ice and the boiling point of water.

## **BIOLOGY**

### **Deleted Chapters**

- i. Improvement in food resources
- ii. Diversity in living organisms

### **Deleted Practicals**

1. Study of the characteristics of Spirogyra, Agaricus, Moss, Fern, Pinus (either with male or female cone) and an Angiospermic plant. Draw and give two identifying features of the groups they belong to.
2. Observe the given pictures/charts/models of earthworm, cockroach, bony fish and bird. For each organism, draw their picture and record: a) one specific feature of its phylum. b) one adaptive feature with reference to its habitat.
3. Study of the external features of root, stem, leaf and flower of monocot and dicot plants.

## BENGALI (2<sup>ND</sup> LANGUAGE)

### PERIODIC TEST - I

সাহিত্য : ছুটি (রবীন্দ্রনাথ ঠাকুর), খেয়া (রবীন্দ্রনাথ ঠাকুর)

সহায়ক পাঠ : আম আটির ভেঁপু (১ -৩)

ব্যাকরণ : সন্ধি (স্বর) যুক্ত ও বিযুক্ত

নির্মিতি : বোধপরীক্ষণ

### MIDTERM EXAMINATION

সাহিত্য : ছুটি (রবীন্দ্রনাথ ঠাকুর)

চিঠি (স্বামী বিবেকানন্দ)

খেয়া (রবীন্দ্রনাথ ঠাকুর)

সহায়ক পাঠ : আম আটির ভেঁপু (১-৫)

ব্যাকরণ : সন্ধি (স্বর), বাক্য পরিবর্তন (অন্ত্যর্থক, নন্ত্যর্থক)

নির্মিতি : বোধপরীক্ষণ, নোটিশ, প্রতিবেদন

SUBJECT ENRICHMENT: শ্রবণ দর্শন ভিত্তিক দক্ষতা

### PERIODIC TEST - II

সাহিত্য : দাম (নারায়ণ গঙ্গোপাধ্যায়)

এই জীবন (সুনীল গঙ্গোপাধ্যায়)

সহায়ক পাঠ : আম আটির ভেঁপু (৬ -৮)

ব্যাকরণ : শব্দ ও বাক্য সংশোধন

নির্মিতি : বোধপরীক্ষণ

### ANNUAL EXAMINATION

সাহিত্য : খেয়া (রবীন্দ্রনাথ ঠাকুর)

এই জীবন (সুনীল গঙ্গোপাধ্যায়)

জন্মভূমি আজ (বীরেন্দ্র চট্টোপাধ্যায়)

ছুটি (রবীন্দ্রনাথ ঠাকুর)

চিঠি (স্বামী বিবেকানন্দ)

দাম (নারায়ণ গঙ্গোপাধ্যায়)

সহায়ক পাঠ : আম আটির ভেঁপু (১-১০)

ব্যাকরণ : শব্দ ও বাক্য সংশোধন, সন্ধি (স্বর) যুক্ত ও বিযুক্ত, বাক্যপরিবর্তন (অন্ত্যর্থক, নন্ত্যর্থক)

নির্মিতি : বোধপরীক্ষণ, নোটিশ, প্রতিবেদন

SUBJECT ENRICHMENT: কথোপকথন, শ্রবণ দর্শন ভিত্তিক দক্ষতা

### TOPICS DELETED

সাহিত্য : ইলিয়াস (লিও তলস্তয়), আবহমান (নীরেন্দ্রনাথ চক্রবর্তী)

সহায়ক পাঠ : আম আটির ভেঁপু (১১ -১৬)

ব্যাকরণ : সমাস, (তৎপুরুষ, দ্বিগু, বহুব্রীহি), বাক্য পরিবর্তন (প্রশ্নবোধক, বিস্ময়বোধক, অনুজ্ঞা বাচক)

## HINDI (2<sup>ND</sup> LANGUAGE)

### PERIODIC TEST - I

**स्पर्श**-रैदास के पद , दुख का अधिकार , तुम कब जाओगे अतिथि

**व्याकरण**-अपठितगद्यांश,अनुस्वार तथा अनुनासिक, उपसर्ग प्रत्यय ,अर्थ की दृष्टि से वाक्य के भेद

अनुच्छेद लेखन , पत्र लेखन (अनौपचारिक)

### MIDTERM EXAMINATION

**स्पर्श**- रहीम के दोहे ,रैदास के पद , दुख का अधिकार , तुम कब जाओगे अतिथि

**संचयन**-गिल्लू, स्मृति

**व्याकरण**-अपठितगद्यांश, शब्द विचार श्रुतिसमभिन्नार्थक शब्द (क) - , पर्यायवाची शब्द (ख) , विलोम शब्द तथा पूर्व के पढ़ाए हुए (ग) सभी पाठ

संवाद लेखन , नारा लेखन, संदेश लेखन , अनुच्छेद लेखन , पत्र लेखन (अनौपचारिक)

**Activity** - परियोजना कार्य , वाद विवाद , श्रवण तथा वाचन,नाट्यरचनान्तरण

### PERIODIC TEST - II

**स्पर्श**-एवरेस्ट मेरी शिखर यात्रा , एक फूल की चाह , धर्म की आड़

**व्याकरण**-अपठितपद्यांश, शब्द और पद , उपसर्ग प्रत्यय , पर्यायवाची शब्द संदेश लेखन , अनुच्छेद लेखन , पत्र लेखन (अनौपचारिक)

### ANNUAL EXAMINATION



स्पर्श-खुशबू रचते हैं हाथ रैदास के पद,, दुख का अधिकार , तुम कब जाओगे अतिथि , रहीम के दोहे ,एवरेस्ट मेरी शिखर यात्रा , एक फूल की चाह , धर्म की आड़

संचयन-हामिदखाँ,दिए जल उठे ,गिल्लू, स्मृति

व्याकरण-अपठितगद्यांश तथा पूर्व के पढ़ाए हुए सभी पाठ

अनुच्छेद लेखन ,संवाद लेखन , नारा लेखन , संदेश लेखन, पत्र लेखन (अनौपचारिक)

### **TOPICS DELETED**

स्पर्श -

गद्य खण्ड -शुक्रतारे के समान, कीचड़ का काव्य , वैज्ञानिक चेतना के वाहक

पद्य खण्ड-अग्निपथ,नए इलाके में, आदमी नामा,गीत -अगीत

संचयन-कल्लू कुम्हार की उनाकोटी, मेरा छोटा सा निजी पुस्तकालय

**COMPUTER**

<b><u>MID TERM EXAMINATION</u></b>	Unit 1. Communication Skills-I Unit 6. Introduction to IT-ITeS Industry Unit.8. Digital Documentation Unit9. Electronic Spreadsheet
<b><u>ANNUAL EXAMINATION</u></b>	Unit2.Self-Management Skills - I Unit 3. Information and Communication Technology Skills- I Unit7. Data Entry and Keyboarding Skills Unit10. Digital Presentation

**TOPICS DELETED**

Unit 4	Entrepreneurial Skills I
Unit 5	Green Skills I