

NORTHPOINT DAY SCHOOL

CLASS-IX

SESSION: 2023-24

SUBJECT: ENGLISH

Periodic Assessment I

Reading Comprehension

Writing Skills -Diary Entry

Grammar -Subject verb concord, Modals

Literature Beehive

The Fun They Had

The Sound of Music

The Road Not Taken

Wind

The Little Girl

Supplementary Reader: Moments

The Lost Child

The Adventures of Toto

Periodic Assessment II

Reading Comprehension

Writing Skills -Descriptive paragraph, Story Writing

Grammar -Reported Speech, Tenses

Literature Beehive

The Lake of Innisfree

The Snake and the Mirror

A Truly Beautiful Mind

Rain on the Roof

A Legend of the Northland

Supplementary Reader: Moments

Ishwaran the Storyteller

In the Kingdom of Fools

The Happy Prince

Periodic Assessment III

Reading Comprehension

Writing Skills: Descriptive paragraph on person, place or event based on visual or verbal cue/s.

Diary Entry

Grammar -Determiners ,Reported Speech

Literature Beehive

My Childhood

Reach for the Top

No men are foreign

On killing a tree

Supplementary Reader: Moments

The Last Leaf

A House Is Not a Home

Annual Examination

Reading Comprehension

Writing Skills -Story ,Descriptive Paragraph on person, place or event

Diary Entry

Grammar -Tenses ,Modals ,Reported Speech ,Subject Verb Concord ,Determiners

Literature: Beehive

Kathmandu

If I were you

A Slumber Did My Spirit Seal

(Including PA 1 PA 2 and PA3 Syllabus)

Supplementary Reader: Moments

The Beggar

(Including PA 1 PA 2 and PA 3 syllabus)

MATHEMATICS

PA- 1

1. **Polynomials**
2. **Lines and Angles**
3. **Congruence of Triangles**

PA- 2

1. **Linear Equations in Two Variables**
2. **Number Systems**
3. **Quadrilateral**
4. **Surface Areas and Volumes**

PA- 3

1. **Circles**
2. **Areas (Heron's Formula)**
3. **Statistics**

ANNUAL EXAMINATION

1. **Number Systems**
2. **Polynomials**
3. **Coordinate Geometry**
4. **Linear Equations in Two Variables**
5. **Introduction to Euclid's Geometry**

6. Lines and Angles
7. Triangles
8. Quadrilaterals
9. Circles
10. Areas (Heron's Formula)
11. Surface Areas and Volumes
12. Statistics

SUBJECT - SCIENCE

Periodic Assessment –I

Physics

1. Motion: Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, elementary idea of uniform circular motion.

Chemistry

1. Matter in our Surrounding (Matter-Nature and Behaviour)

(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.)

Practical: Determination of the melting point of ice and the boiling point of water

Biology

1. The fundamental unit of life: Cell

Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall, cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus; nucleus, chromosomes - basic structure, number

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

Periodic Assessment –II

Physics

1. Force and laws of Motion: Force and Motion, Newton's Laws of Motion, Action and Reaction forces, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration.

Chemistry

1. Structure of the Atom

(Electrons, protons and neutrons, valency, chemical formula of common compounds. Isotopes and Isobars)

Biology

1. Tissues

Structure and functions of animal and plant tissues (only four types of tissues in animals; Meristematic and Permanent tissues in plants).

2. Natural Resources

Practical: (Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labelled diagrams)

Periodic Assessment –III

Physics

1. Work, Energy and Power: Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy (excluding commercial unit of Energy).

Chemistry

1. Is Matter around us pure? (Nature of matter)

Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, colloids and suspensions, Physical and chemical changes (excluding separating the components of a mixture)

2. Atoms and Molecules (Particle nature and their basic units)

Atoms and molecules, Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses.

Practical-

1. Verification of the law of conservation of mass in a chemical reaction.

2. 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

3. Preparation of

a) A mixture

b) A compound

using iron filings and sulphur powder and distinguishing between these on the basis of:

- ❖ appearance, i.e., homogeneity and heterogeneity
- ❖ behaviour towards a magnet
- ❖ behaviour towards carbon disulphide as a solvent
- ❖ effect of heat

4. 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. Improvement in Food Resources

Plant and animal breeding and selection for quality improvement and management; Use of fertilizers and manures; Protection from pests and diseases; Organic farming.

Final Examination

Physics

1. Motion

2. Force and Laws of Motion

3. Gravitation, Floatation

4. Work and Energy

5. **Sound:** Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo.

Practical:

- 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. Atoms and Molecules (Particle nature and their basic units)
2. Is Matter around us pure? (Nature of matter)
3. Structure of the Atom
4. Matter in our Surrounding (Matter-Nature and Behaviour)

Biology

1. Tissues
2. Improvement in Food Resources
3. The fundamental unit of life: Cell

ONLY FOR INTERNAL ASSESSMENT

[Note: Learners are assigned to read the below listed part of Unit IV. They can be encouraged to prepare a brief write up on any one concept of this Unit in their Portfolio. This may be an assessment for Internal Assessment and credit may be given (Periodic assessment/Portfolio). This portion of the Unit is not to be assessed in the year-end examination.]

Theme: Natural Resources: Balance in nature

Unit IV: Our Environment

Chapter -14 Natural Resources

Physical resources: Air, Water, Soil. Air for respiration, for combustion, for moderating temperatures; movements of air and its role in bringing rains across India. Air, water and soil pollution (brief introduction). Holes in ozone layer and the probable damages. Bio-geo chemical cycles in nature: Water, Oxygen, Carbon and Nitrogen.

HISTORY

- **Chapter1-The French Revolution**

CIVICS

- **Chapter 1-What is democracy? Why democracy?**

GEOGRAPHY

- **Ch-2 Physical Features of India**

ECONOMICS

- **Ch-1The story of village Palampur**

Subject Enrichment: Multi-Faceted Project on Disaster and its Management.

PA-2 EXAMINATION

HISTORY

- **Chapter4-Forest Society and Colonialism**

CIVICS

- **Chapter2-Constitutional design**

GEOGRAPHY

- **Ch-1 India-Size and Location**

ECONOMICS

- **Ch-2 People as a Resource**

HISTORY

- **Chapter 5-Pastoralists in the Modern World**
- **Chapter 1-The French Revolution**
- **Chapter 4- Forest Society and Colonialism**

Maps to be done as per CBSE guidelines from Chapter 1

CIVICS

- **Chapter 2-Constitutional design**
- **Chapter 1-What is democracy? Why democracy?**
- **Chapter 3-Electoral politics**

GEOGRAPHY

- **Ch-1 India-Size and Location**
- **Ch-2 Physical Features of India**
- **Ch-5 Natural vegetation and wildlife**

ECONOMICS

- **Ch-1 The story of village Palampur**
- **Ch-2 People as Resource**
- **Ch-4: Food Security in India**

PA-3 EXAMINATION

HISTORY

- **Chapter 2 - Socialism in Europe and the Russian Revolution**

CIVICS

Chapter4-Working of institutions

HISTORY SUBJECT ENRICHMENT ACTIVITY: Script writing and Role Play on ANYONE historical episode from the History Chapters (group activity)

GEOGRAPHY

- **Ch-4 Climate**

ECONOMICS

- **Ch-3Poverty as a Challenge**

FINAL TERM

HISTORY

- **Chapter1-The French Revolution**
- **Chapter2-Socialism in Europe and Russian revolution**
- **Chapter3-Nazism and the rise of Hitler**
- **Chapter4-Forest Society and Colonialism**
- **Chapter 5 – Pastoralists in the Modern World**

Maps to be done as per CBSE guidelines from Chapters 1, 2 & 3

CIVICS

- **Chapter5-Democratic rights**
- **Chapter 1-What is democracy? Why democracy?**
- **Chapter2-Constitutional design**
- **Chapter3-Electoral politics**
- **Chapter4-Working of institutions**

GEOGRAPHY

- **Ch-1 India-Size and Location**
- **Ch-2 Physical Features of India**
- **Ch-3 Drainage**
- **Ch-4 Climate**
- **Ch-5 Natural vegetation and wildlife**

- **Ch-6: Population**

Maps to be done as per CBSE guidelines

ECONOMICS

- **Ch-1 The story of village Palampur**
- **Ch-2 People as Resource**
- **Ch-3 Poverty as a Challenge**
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- **Ch-4: Food Security in India**

SUBJECT - HINDI

PERIODIC ASSESSMENT - 1

Kshitij- Chapter- 1-Do bailo ki katha, Chapter- 9- Kabir- Sakhiyan evang sabad

Kritika- Chapter- 1- Is jal pralay mein

Vyakaran- upsarg, pratyay

Lekhan- Anuched lekhan

PERIODIC ASSESSMENT - 2

Kshitij- Chapter- 2- Lhasa ki ore, chapter- 3- upbhoktavad ki sanskriti, chapter- 10- vakh, chapter- 11- savaiyye

Kritika- Chapter- 2- Mere sang ki aurate

Vyakaran- Samas, arth ke adhar par vakya bhed, apathit gadyansh/padyansh

Lekhan- Anuched lekhan, Patra lekhan, samvad lekhan

PERIODIC ASSESSMENT - 3

Kshitij- Chapter- 4- Savle sapno ki yaad, chapter- 12- kaidi aur kokila

Kritika- Mere sang ki aurate

Vyakaran- Alankar, Ras (5 ras)

Lekhan- Laghukatha lekhan

ANNUAL EXAM

Kshitij- Chapter- 6- Premchand ke phate jute, chapter- 7- mere bachpan ke din, chapter- 13- gram sree, chapter- 15- megh aye, chapter- 17- bachche kaam par ja rahe hein

Kritika- Chapter- 3- Reer ki haddi

Vyakaran- Upsarg evang pratyay, arth ke adhar par vakya bhed, alankar, ras (6 ras), samas, apathit gadyansh/padyansh

Lekhan- Patra lekhan, anuched lekhan, samvad lekhan, laghukatha lekhan.

BENGALI 2nd LANGUAGE SYLLABUS

PA-1 Prose -Ilyas,. Poem – Kheya

Aam Aatir bhepu- chapter 1-5

Grammar -SwaraSandhi , Somas- (Dwigu), letter writing

PA-2

Prose-Chithi, Daam, Poem-Ei jibon, Byathar Banshi

Aam aatir Bhepu-chapter -6-10

Grammar -Bakyo Poribartan, Samas(Bohubreehi), Protibedon

Project+ASL

PA-3

- Prose – Chhuti, Poem- Janmobhumi Aaj,

Aam Aatir Bhepu chapter 11-15

Grammar Sudhho Osudhho, Bigyopti, Somas- (Tatpurush)

PA-4

Aam Aatir Bhepu Chapter –(16-19)

Including PA1-+PA2+PA3 Syllabus. (Revision)

Project+ASL

COMPUTER SYLLABUS [2023-2024]

| | |
|----------------------------------|--|
| PA 1 | PART A- Communication Skills Self Management Skills PART B- IT and ITES Industry |
| PA 2 | PART A- Self Management skills ICT Skills PART B- Data Entry& Keyboard skills Digital Documentation |
| PA - 3 | PART A- Entrepreneur Skills PART- B- Electronic Spreadsheet |
| <u>ANNUAL EXAMINATION</u> | PART A- Green Skills PART B- Digital Presentation (Including PA1 PA2 AND PA3 Syllabus) |