

Session 2022-23
Class IX
Syllabus

- **PT1, PT2 & PT3 for ALL SUBJECTS will be of 50 Marks**
- **Final Exam will be of 80 marks + Periodic Assessment (20) = 100**
[(PT1+PT2+PT3) reduced to 5 marks + Subject Enrichment 5 marks
+ Portfolio 5 marks + Multiple Assessment 5 marks]

ENGLISH (Code: 184)

Books- Beehive, Moments by NCERT

PT1

Prose (Beehive)

1. The Fun They Had
2. The Sound of Music
3. The Little Girl

Poetry

1. The Road Not Taken
2. Wind
3. Rain on the Roof

Supplementary Reader (Moments)

1. The Lost Child
2. The Adventures of Toto
3. Iswaran the Storyteller

Grammar

1. Cloze passage / Gap filling / Edition

Writing Activity

1. Diary Entry

Subject Enrichment Activity: 5 marks (Listening & Speaking Activities)

Notebook Submission: 5 marks

Multiple Assessment: 5 marks

PT2

Prose (Beehive)

1. A Truly Beautiful Mind
2. The Snake and the Mirror
3. My Childhood

Poetry

1. The lake Isle of Innisfree
2. A Legend of the Northland
3. No Men Are Foreign

Supplementary Reader (Moments)

1. In the Kingdom of Fools
2. The Happy Prince
3. The Last Leaf

Chapters of PT1 to be included

1. The Fun They Had
2. The Adventures of Toto

Grammar

1. Cloze passage / Gap filling / Edition
2. Editing / Omission
3. Dialogue writing / Reporting dialogue on given cues

Writing Activity

1. Descriptive Paragraph

Subject Enrichment Activity: 5 marks (Listening & Speaking Activities)

Notebook Submission: 5 marks

Multiple Assessment: 5 marks

PT3**Prose (Beehive)**

1. Reach For The Top
2. Kathmandu
3. If I were you

Poetry

1. On killing a Tree
2. A Slumber Did My Spirit Seal

Supplementary Reader (Moments)

1. A House Is Not A Home
2. The Beggar

Chapters of PT1 to be included

1. The Little Girl
2. The Lost Child

Chapters of PT2 to be included

1. No Men Are Foreign
2. The Happy Prince
3. The Last Leaf

Grammar

1. Dialogue writing / Reporting dialogue on given cues
2. Editing / Omission (Integrated grammar of PT1 and PT2)
3. Cloze passage / gap filling / Edition (Integrated grammar of PT1 and PT2)

Writing Activity

1. Story writing

Subject Enrichment Activity: 5 marks (Listening & Speaking Activities)

Notebook Submission: 5 marks

Multiple Assessment: 5 marks

Final Exam: Complete Syllabus

HINDI COURSE B (Code: 085)

पाठ्य-पुस्तक स्पर्श भाग-१

पूरकपाठ्य-पुस्तक संचयन भाग-१

व्याकरण अयन (प्रभात पब्लिशिंग हाउस)

PT1

साहित्य:

स्पर्श:

पद्य खंड - रैदास के पद, अग्निपथ

गद्य खंड - एवरेस्ट मेरी शिखर यात्रा, दुख का अधिकार,

वैज्ञानिक-चेतना के वाहक

संचयन:

गिल्लू, कल्लू कुम्हार की उनाकोटी

व्याकरण:

शब्द-पद, अनुस्वार-अनुनासिक, उपसर्ग-प्रत्यय, स्वर-संधि (दीर्घ, गुण, वृद्धि),

विराम-चिह्न ।

लेखन-गतिविधि:

संवाद-लेखन, अनौपचारिक -पत्र, अपठित गद्यांश ।

Subject Enrichment Activity (Declamation): 5marks

Notebook Submission: 5 marks

Multiple Assessment: 5marks

PT2

साहित्य:

स्पर्श:

पद्य खंड - रैदास के पद, रहीम के दोहे, गीत-अगीत

गद्य खंड - तुम कब जाओगे अतिथि, धूल, धर्म की आड़

संचयन:

स्मृति, गिल्लू

व्याकरण: अर्थ की दृष्टि से वाक्य-भेद, अनुस्वार-अनुनासिक, उपसर्ग-प्रत्यय, विराम-चिह्न, संधि-यण, अयादि।

लेखन-गतिविधि: चित्र-वर्णन, अनुच्छेद, अपठित-गद्यांश, संवाद-लेखन ।

Note: Chapter of PT1 to be included:

एवरेस्ट मेरी शिखर यात्रा, रैदास के पद, गिल्लू ।

Subject Enrichment Activity (Debate): 5marks

Notebook Submission: 5 marks

Multiple Assessment: 5marks

PT3

साहित्य: स्पर्श: पद्य खंड - नए इलाके में, खुशबू रचते हैं हाथ

गद्य खंड - शुक्रतारे के समान, कीचड़ का काव्य

संचयन: मेरा छोटा-सा निजी पुस्तकालय

व्याकरण एवं लेखन-गतिविधि:- सामयिक एक और सामयिक दो का सारा पाठ्यक्रम + स्वर-संधि।

Note: Chapters to be included in PT3 of

PT1: All Chapters

PT2: All Chapters

Subject Enrichment Activity (Play): 5marks

Notebook Submission: 5 marks

Multiple Assessment: 5marks

Final Exam:- Full Syllabus

PUNJABI (Code: 004)

पाठ-पुस्तकें

1. साहित्य माला (9)
2. वंदनी (9)
3. 'गोलडन' पंजाबी विभाजन के लेख रचना (नरिंदर सिंघ दुग्गल के जसवीर कौर)

PT1 (पहिली आवरती)

विभाजन : सभद सुँपी, मुहावरे (ॐ, अ)
पढ़न कौशल : अडिँठा पैरु, अडिँठी कावि टुकती
रचना भाग : 1. पँतर (निँजी पँतर)
2. चिँतर वरनन (50 सभदां विच)

पंजाबी साहित्य: साहित्य माला

कविता-

1. भाँनी वीर सिंघ (समां...)

2. ਧਨੀ ਰਾਮ ਚਾਤ੍ਰਕ (ਵਿਸਾਖੀ ਦਾ ਮੇਲਾ)

ਵਾਰਤਕ

1. ਵਹਿਮੀ ਤਾਇਆ (ਸੂਬਾ ਸਿੰਘ)

ਵੰਨਗੀ

1. ਜਨਮ-ਦਿਨ(ਕਹਾਣੀ)

2. ਮੌਨਧਾਰੀ (ਇਕਾਂਗੀ)

ਮੌਖਿਕ ਗਤੀਵਿਧੀ- ਕਵਿਤਾ ਉਚਾਰਨ

ਕਲਾ ਏਕਾਕ੍ਰਿਤ ਗਤੀਵਿਧੀ-ਪੋਸਟਰ ਬਣਾਉਣਾ ਜਾਂ ਸਲੋਗਨ ਲਿਖਣਾ

Subject Enrichment Activity: 5marks

Notebook Submission: 5 marks

Multiple Assessment: 5 marks

PT2 (ਦੂਜੀ ਆਵਰਤੀ)

ਵਿਆਕਰਨ	:	ਵਿਰੋਧੀ ਸ਼ਬਦ, ਲਿੰਗ, ਮੁਹਾਵਰੇ (ਏ, ਸ)
ਪੜ੍ਹਨ ਕੌਸ਼ਲ	:	ਅਣਡਿੱਠਾ ਪੈਰਾ, ਅਣਡਿੱਠੀ ਕਾਵਿ ਟੁਕੜੀ
ਰਚਨਾ ਭਾਗ	:	1. ਪੱਤਰ (ਬਿਨੈ/ਦਫਤਰੀ ਪੱਤਰ) 2. ਲੇਖ (ਆਮ ਵਾਕਫੀਅਤ ਨਾਲ ਭਰਭੂਰ ਵਿਸ਼ੇ)

ਸਾਹਿਤ ਮਾਲਾ

ਕਵਿਤਾ

1. ਫੀਰੋਜ਼ ਦੀਨ ਸ਼ਰਫ(ਕਵਿਤਾ-ਮੈਂ ਪੰਜਾਬੀ-ਪੰਜਾਬ ਦਾ ਰਹਿਣ ਵਾਲਾ)

2. ਵਿਧਾਤਾ ਸਿੰਘ ਤੀਰ (ਨਵੀਂ ਪੁਰਾਣੀ ਤਹਿਜੀਬ)

ਵਾਰਤਕ

1. ਮੁੜ ਵੇਖਿਆ ਪਿੰਡ (ਬਲਰਾਜ ਸਾਹਨੀ)

2. ਖੁਸ਼ੀਆਂ ਆਪੇ ਨਹੀਂ ਆਉਦੀਆਂ (ਡਾ. ਟੀ.ਆਰ. ਸ਼ਰਮਾ)

ਵੰਨਗੀ

1. ਸਾਂਝੀ ਕੰਧ (ਕਹਾਣੀ)

ਹੇਠ ਲਿਖੇ ਪਾਠ ਪਹਿਲੀ ਆਵਰਤੀ ਵਿਚੋਂ ਦੂਜੀ ਆਵਰਤੀ ਪੇਪਰ ਵਿਚ ਸ਼ਾਮਿਲ ਕੀਤੇ ਜਾਣਗੇ

1. ਮੌਨਧਾਰੀ (ਇਕਾਂਗੀ)

2. ਭਾਈ ਵੀਰ ਸਿੰਘ

ਨੋਟ- **PT1** ਵਿਚਲੀ ਸਾਰੀ ਵਿਆਕਰਨ **PT2** ਪੇਪਰ ਵਿਚ ਆਵੇਗੀ।

ਮੌਖਿਕ ਗਤੀਵਿਧੀ- ਭਾਸ਼ਣ ਪ੍ਰਤੀਯੋਗਤਾ

ਅੰਤਰ-ਅਨੁਸ਼ਾਸ਼ਨੀ ਗਤੀਵਿਧੀ (**Interdisciplinary Activity**)

Subject Enrichment Activity: 5marks

Notebook Submission: 5 marks

Multiple Assessment: 5 marks

PT3 (ਤੀਜੀ ਆਵਰਤੀ)

- ਵਿਆਕਰਨ : ਕਿਰਿਆ, ਵਿਸਮਿਕ (ਭੇਦਾਂ ਦੀ ਪਰਿਭਾਸ਼ਾ ਸਹਿਤ), ਮੁਹਾਵਰੇ (ਹ)
ਪੜ੍ਹਨ ਕੌਸ਼ਲ : ਅਣਡਿੱਠਾ ਪੈਰ੍ਹਾ, ਅਣਡਿੱਠੀ ਕਾਵਿ ਟੁਕੜੀ ।
ਰਚਨਾ ਭਾਗ : ਚਿੱਤਰ ਵਰਨਣ (50 ਸ਼ਬਦਾਂ ਵਿਚ) ਤੇ ਲੇਖ ਰਚਨਾ ।

ਸਾਹਿਤ ਮਾਲਾ

ਕਵਿਤਾ-

1. ਨੰਦ ਲਾਲ ਨੂਰਪੁਰੀ (ਮਾਤਾ ਗੁਜਰੀ ਜੀ)

ਵਾਰਤਕ-

1. ਬੇਬੇ ਜੀ (ਡਾ. ਹਰਪਾਲ ਸਿੰਘ ਪੰਨੂ)

ਵੰਨਗੀ

1. ਬੱਸ ਕੰਡਕਟਰ (ਕਹਾਣੀ)

2. ਸਿਰਜਣਾ (ਇਕਾਂਗੀ)

ਹੇਠ ਲਿਖੇ ਪਾਠ ਪਹਿਲੀ ਤੇ ਦੂਜੀ ਆਵਰਤੀ ਵਿਚੋਂ ਤੀਜੀ ਆਵਰਤੀ ਪੇਪਰ ਵਿਚ ਸ਼ਾਮਲ ਕੀਤੇ ਜਾਣਗੇ।

1. ਸਾਂਝੀ ਕੰਧ (ਕਹਾਣੀ)

2. ਮੁੜ ਵੇਖਿਆ ਪਿੰਡ

3. ਪੱਤਰ (ਦਫਤਰੀ ਪੱਤਰ)

ਨੋਟ- ਪਹਿਲੀ ਤੇ ਦੂਜੀ ਆਵਰਤੀ ਵਿਚਲੀ ਵਿਆਕਰਨ ਤੀਜੀ ਆਵਰਤੀ ਪੇਪਰ ਵਿਚ ਆਵੇਗੀ।

ਸਲਾਨਾ ਪ੍ਰੀਖਿਆ ਵਿਚ ਸਾਰਾ ਸਿਲੇਬਸ ਆਵੇਗਾ ।

ਲਿਖਤੀ ਗਤੀਵਿਧੀ - ਪੁਰਾਤਨ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਤੇ ਪੀ.ਪੀ.ਟੀ

Subject Enrichment Activity: 5 marks

Notebook Submission: 5 marks

Multiple Assessment: 5 marks

Final Exam:- Full Syllabus

MATHEMATICS (Code: 041)

Book: Mathematics (N.C.E.R.T)

PT1

1. Number System (Chapter-1)
2. Polynomials (Chapter-2)
3. Coordinate Geometry (Chapter-3)
4. Heron's Formula (Chapter-12, Ex-12.1)
5. Lines and Angles (Chapter-6)

Activities: -

- 1) Square Root spiral - $\sqrt{5}$.
- 2) Find the hidden picture by plotting the points on the graph.

PT2

1. Triangles (Chapter-7)
2. Statistics (Chapter-14)
3. Probability (Chapter-15)
4. Quadrilaterals (Chapter-8)

PT2: All the above Chapters (70%) and Number Systems (30% of P.T 1)

Activities: -

- 1) To verify mid-point theorem.
- 2) Angle Sum Property of a Quadrilateral.

PT3

1. Linear Equations In Two Variables (Chapter-4)
2. Constructions (Chapter-11)
3. Circles (Chapter-10)
4. Surface Areas And Volumes (Chapter-13)

List of Activities: -

- 1) Angles in the same segment are equal.
- 2) To find a formula for the curved surface area of a right circular cylinder, experimentally.

PT3: All the above Chapters (60%), Polynomials (10% of P.T.1) and Quadrilaterals (30% of P.T 2).

Final Exam: Full Syllabus

SCIENCE (Code: 086)

Book – Science Textbook for Class IX

Publisher: NCERT

PT1

- Chemistry : Ch.1: 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.)
- Biology : Ch.5: Fundamental unit of life.
(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)

Physics : Ch.8: Motion
Ch.9: Force and laws of motion.

List of Activities: -

1. To prepare stained temporary mounts of:
 - a) Onion peel
 - b) Human Cheek CellsRecord observations and draw their labeled diagrams
2. To determine the melting point of ice and the boiling point of water

Subject Enrichment Activity: 5 marks

Notebook Submission: 5 marks

Multiple Assessment: 5 marks

PT2

Chemistry : Ch.2: Is Matter around us pure
(Elements, compounds and mixtures. Heterogeneous and homogeneous mixtures, colloids and suspensions. Physical and chemical changes (excluding separating the components of a mixture).

Biology : Ch.6: Tissues
(Structure and functions of animal and plant tissues (only four types of tissues in animals; Meristematic and Permanent tissues in plants)

Physics : Ch.10: Gravitation

List of Activities: -

1. To identify Parenchyma and Sclerenchyma Tissues in plants, Striped muscle fibers and nerve cells in animals from prepared slides and draw their labeled diagrams.
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 distinguish 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:

- a) appearance, i.e., homogeneity and heterogeneity
 - b) behaviour towards a magnet
 - c) behaviour towards carbon disulphide as a solvent
 - d) 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
5. To establish the relation between the loss in weight of a solid when fully immersed in
- a) Tap water
 - b) Strongly salt water, with the weight of water displaced by it by taking at least two different solids
6. To determine the density of Solids (denser than water) by using a spring balance and a measuring cylinder.
7. To observe and compare the pressure exerted by a solid iron cuboid on fine/sand/wheat flour while resting on its different faces and calculate the pressure exerted in three different cases.

Subject Enrichment Activity: 5 marks

Notebook Submission: 5 marks

Multiple Assessment: 5 marks

PT3

- Chemistry : Ch.3: Atoms and Molecules
(Atoms and molecules, Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses)
Ch.4: Structure of atom
(Electrons, protons and neutrons, Valency, Atomic Number and Mass Number, Isotopes and Isobars.)
- Biology : Ch.15: 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.)

Physics : Ch.11: Work and Energy(excluding commercial unit of Energy).
Ch.12: Sound (Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo).

List of Activities: -

1. Verification of the law of conservation of mass in a chemical reaction.
2. To study laws of reflection of sound
3. To determine the velocity of a pulse propagated through a stretched string /slinky.

Note:

All the above Chapters of PT3

Subject Enrichment Activity: 5 marks

Notebook Submission: 5 marks

Multiple Assessment: 5 marks

Final Exam: Full Syllabus (PT1, PT2, PT3)

SOCIAL SCIENCE (Code: 087)

BOOKS: Published by NCERT

1. **India and the Contemporary World-1**
(Textbook in History for Class IX)
2. **Economic- Textbook for Class IX**
3. **Democratic Politics-1 (Textbook in Political Science for Class IX)**
4. **Contemporary India-1 (Textbook in Geography for Class IX)**

PT1

History : Ch.1: The French Revolution (Map)

Map:

Outline map of France (For locating and labeling /Identification) Bordeaux, Nantes, Paris, Marseilles

Ch. 4: Forest, Society and Colonialism (Up to Page 89 included)

Economics : Ch.1: The Story of the Village of Palampur

Democratic : Ch.2: What is Democracy? Why Democracy?

Politics :

Geography : Ch.1: India :Size and Location

Ch.2: Physical Features of India

Ch.3: Drainage

Map:

Ch. 1 India: Size and Location

INDIA –States and Capitals, Tropic of Cancer, Standard Meridian (location and labeling).

Ch.2: Physical Features of India

Mountains Ranges – The Karakoram, The Zasker, The Shivalik, The Aravali, The Vindhya, The Satpura, Western and Eastern Ghats

Mountain Peaks- (K2, KanchanJunga, AnaiMudi)

Plateau-Deccan Plateau, Malwa Plateau, Chotta Nagpur Plateau

Coastal Plains (Northern Circar, Coromandal, Konkan, Malabar)

(Location and labeling)

Ch.3: Drainage

Rivers – (Identification only)

a-The Himalayan River System-The Indus, The Ganges, and The Satluj

b-The Peninsular rivers-The Narmada, The Tapi, The Kaveri, The Krishna, The Godavari, The Mahanadi

Lakes- Wular, Sambhar, Chilika, Pulicat

Internal Assessment- 5 marks

Multiple Assessment: Maps-Chap 1 and 2 Geography

Portfolio: 5 marks

Subject Enrichment Activity (Disaster Management Project): 5 marks

PT2

History : Ch.2: Socialism in Europe and the Russian Revolution

Map:

On Outline map of World (For locating and labeling /

Identification) Major countries of First World War:-

Central Powers-Germany, Austria-Hungary, Turkey (Ottoman Empire);

Allied Powers-France, England, Russia, U.S.A

Economics : Ch.2: People as a Resource
Democratic : Ch.3: Constitutional Design
Politics : Ch.4: Electoral Politics
Geography : Ch.4: Climate
Ch.5: Natural vegetation and Wildlife

Map:

Ch.4: Climate: Areas receiving rainfall less than 20 cm and over 400 cm (Identification only)

Ch.5: Natural vegetation

Vegetation Types-Tropical Evergreen forest, Tropical Deciduous Forest, Thorn forest, Montane Forest, Mangrove (For Identification Only)

National Parks-Corbett, Kaziranga, Ranthambor, Shivpuri, Kanha, Simlipal and Manas

Bird Sanctuaries- Bharatpur and Ranganthitto

Wild Life Sanctuaries – Dachigam, Rajaji, Sariska, Mudumalai

Location and labelling

Note: 10% of PT-1 Syllabus that will come in PT-2:

History: Ch.4: Forest, Society and Colonialism

Democratic Politics: Ch.2: What is Democracy? Why Democracy?

Internal Assessment:

Multiple Assessment: Exit Cards of History-lesson 2 Socialism in Europe and the Russian Revolution - 5 Marks

Portfolio: 5 Marks

Subject Enrichment Activity (Disaster Management Project): 5 marks

PT3

History : Ch.3 Nazism and the Rise of Hitler

Map:

Outline map of World (For locating and labeling /identification)

Major Countries of Second World War

Axis Powers- Germany, Italy, Japan

Allied Powers-UK, France, Former USSR, USA

Territories under German Expansion (Nazi Power) Austria, Poland, Belgium, Czechoslovakia (only Slovakia shown in the map), Denmark, Lithuania, France.

Economics	: Ch.4: Poverty as a Challenge
Democratic	Ch.5: Working of Institutions
Politics	: Ch.6: Democratic Rights
Geography	: Ch.6: Population

Map:

Ch.6 Population-

The state having highest and lowest density of population

NOTE:- 10% of PT-1 and 30% of PT-2 to be added in PT3

History	: Ch.1 The French Revolution
Economics	: Ch.2 People as a Resource
Demo.	Ch.3 Constitutional Design
Politics	:
Geography	: Ch.4 Drainage

Internal Assessment-

Multiple Assessment: 5 marks

Quiz of Economics Lesson-4 Food Security

Assignment: Pastoralists in the Modern World

Portfolio: 5 marks

Subject Enrichment Activity (Disaster Management Project): 5 marks

Marking Scheme:- Content accuracy, originality and analysis- 2mark

Presentation and creativity-2 mark,

Viva Voce-1 marks

Final Exam:- Full Syllabus

COMPUTER (Code: 165)

PT1

- Information processing tool.
Understanding Hyper Text Mark up Language
Introduction to Web Page Designing using HTML, Creating and saving an HTML document, accessing a web page using a web browser (Internet Explorer, Mozilla fire fox, Google Chrome)
- Working with Tags
Elements in HTML : Container and Empty elements, Designing web pages using the following elements: HTML, HEAD, TITLE, BODY (Attributes: BACKGROUND, BGCOLOR, TEXT, LINK, ALINK, VLINK, LEFTMARGIN, TOPMARGIN), FONT (Attributes: COLOUR, SIZE, FACE), BASEFONT (Attributes :COLOUR, SIZE, FACE), CENTER, BR (Break), HR (Horizontal Rule, Attributes: SIZE, WIDTH, ALIGN, NOSHADE, COLOUR), COMMENTS, ! for comments, H1.. H6 (Heading), P

(Paragraph), B (Bold), I (Italics), U (Underline), Superscript SUP and subscript SUB.
3. UL & OL (Unordered List & Ordered List Attributes: TYPE, START), LI (List Item),
Insertion of images using the element IMG (Attributes: SRC, WIDTH, HEIGHT, ALT,
ALIGN), adding a border to an Image.

PT2

Chap 8 Scratch-Working with Scratch, using variables, creating a variable, events in Scratch, ask and answers blocks, generating random numbers, passing messages between sprites, control blocks, animating images in Scratch.

Python Revision

Chap 9 Python Revision-Variables in Python, Multiple assignments in Python, Operators in Python, lists in Python, Tuples in Python, Dictionary in Python.

And PT1 and PT2 to be included in PT3 (Complete Syllabus)

Final Exam: Full Syllabus