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SYLLABUS

2023-2024



CLASS

IX

BHARTIYA VIDYA MANDIR
SENIOR SECONDARY SCHOOL

LUDHIANA.

PROPOSED ACADEMIC CALENDER 2023-24

Summer Vacation : 21 May,2023 to 02 July,2023

Winter Vacation : 24 December,2023 to 01 January,2024

	IX-X
UNIT I P.T. I EVALUATION I	08-05-2023 TO 15-05-2023
P.T. II.	01-08-2023 TO 08-08-2023
TERM I EVALUATION II	09-09-2023 TO 25-09-2023
P.T. III	14-10-2023 TO 21-10-2023
II UNIT P.B.-I P.T.-II (I-VIII)	18-11-2023 TO 02-12-2023
PRE ANNUAL P.B.-II	23-12-2023 TO 06-01-2024
TERM II FINAL	AS PER SAHODAYA/CBSE BOARD

(CLASS- IX) / 1

Evaluation and Promotion System

Classes IX and X

The instructions of the Board will be followed strictly in these classes :

1. The student must get 33% marks in each subject in aggregate to qualify himself/herself for promotion to the next higher class.
2. Final result will comprise the marks of

Annual Examination	– 80 marks
Internal Assessment	– 20 marks
Aggregate	– 100 marks
3. Internal Assessment comprises Periodic Tests, Portfolio, Multiple Assessment and Subject Enrichment Activities (subject to the guidelines of CBSE).

SYLLABUS FOR THE SESSION 2023-2024

CLASS - IX

**ENGLISH LANGUAGE AND
LITERATURE (CODE NO. 184)**

Section A – Reading Skills 20 Marks

Section B – Writing Skills and Grammar 20 Marks

Section C – Language through Literature 40 marks

Section–A

Reading Skills (20 Marks)

I. Reading Comprehension through Unseen Passage

1. Discursive Passage of 400-450 words (10 marks)

2. Case-based Factual Passage (with visual input-
statistical data/chart etc.) of 200-250 words.

(10 marks)

Total length of two passages to be 600-700 words.

Multiple Choice Questions / Objective Type Questions /
Very Short Answer Questions will be asked to assess
comprehension, interpretation, analysis, inference,
evaluation and vocabulary.

Section–B

Writing Skills and Grammar

II. Grammar

- Determiners
- Tenses
- Modals
- Subject-Verb Concord

- Reported Speech
 - * Commands and Requests
 - * Statements
 - * Questions

3. The courses at the secondary level seek to cement high professional grasp of grammatical items and levels of accuracy. Accurate use of spellings, punctuation and grammar will be assessed through Gap Filling / Editing / Transformation exercises. Ten out of twelve questions will be attempted.

III. Writing Skills (10 marks)

4. Writing a Descriptive Paragraph (Word limit 100-120 words), describing a person / event / situation, based on visual or verbal cue/s. One out of two questions to be answered. (5 marks)
5. Writing a Story (on a given cue/title) / Diary Entry, in 100-120 words. One out of two questions is to be answered.

Section—C

Language through Literature (40 Marks)

IV. Reference to the Context

6. One extract out of two, from Drama/Prose
7. One extract out of two, from poetry

V. Short and Long Answer Questions

8. Four out of Five Short Answer Type Questions to be answered in 40-50 words from the book BEEHIVE to assess interpretation, analysis, inference, evaluation. (4×3=12 marks)
9. Two out of Three Short Answer Type Questions to be answered in 40-50 words from the book

'MOMENTS' to assess interpretation, analysis, inference and evaluation. (3×2=6 marks)

10. One out of two Long Answer Type Questions from BEEHIVE to be answered in about 100-120 words to assess creativity, imagination and extrapolation beyond the text and across the text. This can also be a passage-based question taken from a situation/plot from the text.

(6 marks)

11. One out of two Long Answer Type Questions from MOMENTS, on theme or plot involving interpretation, extrapolation beyond the text and inference or character sketch to be answered in about 100-120 words. (6 marks)

Prescribed Books : Published by NCERT, New Delhi

Beehive :

Prose :

- (a) The Fun They Had
- (b) The Sound of Music
- (c) The Little Girl
- (d) A Truly Beautiful Mind
- (e) The Snake and the Mirror
- (f) My Childhood
- (g) Reach For The Top
- (h) Kathmandu
- (i) If I Were You

Poems :

1. The Road Not Taken
2. Wind

3. Rain On The Roof
4. The Lake Isle of Innisfree
5. A Legend of The Northland
6. No Men Are Foreign
7. On Killing a Tree
8. A Slumber Did My Spirit Seal

Moments

1. The Lost Child
2. The Adventures of Toto
3. Iswaran the Storyteller
4. In the Kingdom of Fools
5. The Happy Prince
6. The Last Leaf
7. A House is not a Home
8. The Beggar

3. WORDS AND EXPRESSIONS-1 [Work Book for Class IX] – Units 1 to 6 and Units 8, 10 and 11.

HINDI (085)

- पुस्तकें : 1. स्पर्श भाग-1 (एन.सी.ई.आर.टी.)
 2. संचयन भाग-1 (पूरक पुस्तक) (एन.सी.ई.आर.टी.)
 3. व्याकरण संबोध (मधुबन एजुकेशन)

स्पर्श (भाग-1)

- गद्य भाग : ◦ दुःख का अधिकार
 ◦ एवरेस्ट : मेरी शिखर यात्रा
 ◦ तुम कब जाओगे, अतिथि
 ◦ वैज्ञानिक चेतना के वाहक चंद्रशेखर वेंकटरामन्
 ◦ शुक्रतारे के समान

- पद्य भाग :**
- पद (रैदास)
 - दोहे (रहीम)
 - गीत-अगीत
 - अग्निपथ
 - नए इलाके में
 - खुशबू रचते हैं हाथ

- संचयन भाग-1 :**
1. गिल्लू
 2. स्मृति
 3. कल्लू कुम्हार की उनाकोटी
 4. मेरा-छोटा-सा निजी पुस्तकालय

व्याकरण : शब्द-पद की परिभाषा (सौदाहरण)
अनुस्वार, अनुनासिक
उपसर्ग, प्रत्यय, स्वर संधि
विराम चिह्न, अर्थ के आधार पर वाक्य-भेद

- लेखन :**
1. अनुच्छेद (समसामयिक विषय)
 2. निजी पत्र / अनौपचारिक पत्र
 3. चित्र वर्णन
 4. संवाद लेखन
 5. अपठित गद्यांश

प्रश्न पत्र निर्देशन 2023-24

- प्रश्नपत्र दो खंडों, खंड 'अ' और 'ब' में विभक्त होगा।
- खंड 'अ' में 45 वस्तुपरक प्रश्न पूछे जाएँगे, जिनमें से केवल 40 प्रश्नों के ही उत्तर देना होंगे।
- खंड 'ब' में वर्णनात्मक प्रश्न पूछे जाएँगे। प्रश्नों में उचित आंतरिक विकल्प दिए जाएँगे।
- भारांक-(80 (वार्षिक परीक्षा) + 20 (आंतरिक परीक्षा))
- कुल अंक-100

निर्धारित समय : 3 घंटे		भारांक : 80
परीक्षा भार विभाजन		
विषयवस्तु		भार
खंड अ (वस्तुपरक प्रश्न)		40
1.	अपठित गद्यांश	10
	अ दो अपठित गद्यांश (लगभग 200 शब्दों के) (1×5=5)+(1×5=5) (प्रत्येक गद्यांश पर आधारित पाँच बहुविकल्पीय प्रश्न पूछे जाएँगे)	10
2.	व्यावहारिक व्याकरण के आधार पर बहुविकल्पीय प्रश्न (1 अंक × 16 प्रश्न) 21 प्रश्न पूछे जाएँगे, जिनमें से केवल 16 प्रश्नों के उत्तर देने होंगे।	16
	(i) शब्द और पद (2 अंक) (2 प्रश्न)	02
	(ii) अनुस्वार (1 अंक) अनुनासिक (1 अंक) (3 में से दो प्रश्न)	02
	(iii) उपसर्ग (2 अंक), प्रत्यय (2 अंक) (5 में से 4 प्रश्न)	04
	(iv) स्वर संधि (3 अंक) (4 में से 3 प्रश्न)	03
	(v) विराम चिह्न (3 अंक) (4 में से 3 प्रश्न)	03
	(vi) अर्थ की दृष्टि से वाक्य भेद (2 अंक) (3 में से 2 प्रश्न)	02
3.	पाठ्यपुस्तक स्पर्श भाग-1	14
	काव्य खंड	07
	पठित पद्यांश पर एक अंकीय पाँच बहुविकल्पी प्रश्न। (1×5)	05
	स्पर्श (भाग-1) से निर्धारित कविताओं के आधार पर एक अंकीय दो बहुविकल्पी प्रश्न पूछे जाएँगे। (1×2)	02

	गद्य खंड पठित गद्यांश पर एक अंकीय पाँच बहुविकल्पी प्रश्न। (1×5) स्पर्श (भाग-1) से निर्धारित गद्य पाठों के आधार पर विद्यार्थियों की उच्च चिंतन क्षमताओं एवं अभिव्यक्ति का आकलन करने हेतु एक अंकीय दो बहुविकल्पी प्रश्न पूछे जाएँगे। (1×2)	07 05 02
	खंड - ब (वर्णनात्मक प्रश्न)	40
4	पाठ्यपुस्तक स्पर्श भाग-1	12
	1 स्पर्श (गद्य खंड) से निर्धारित पाठों के आधार पर तीन में से दो प्रश्न पूछे जाएँगे। (3 अंक × 2 प्रश्न) (लगभग 60 शब्द)	06
	2 स्पर्श (काव्य खंड) से निर्धारित पाठों के आधार पर तीन में से दो प्रश्न पूछे जाएँगे। (3 अंक × 2 प्रश्न) (लगभग 60 शब्द)	06
	पूरक पाठ्यपुस्तक संचयन भाग-1	06
	पूरक पाठ्यपुस्तक संचयन के निर्धारित पाठों से तीन में से दो प्रश्न पूछे जाएँगे, जिनका उत्तर लगभग 60 शब्दों में देना होगा। (3 अंक × 2 प्रश्न)	06
5	लेखन	22
	I संकेत बिंदुओं पर आधारित समसामयिक एवं व्यावहारिक जीवन से जुड़े हुए किन्हीं तीन विषयों में से किसी एक विषय पर लगभग 100 शब्दों में अनुच्छेद लेखन। (6 अंक × 1 प्रश्न) (विकल्प सहित)	06
	II अभिव्यक्ति की क्षमता पर केंद्रित व्यावहारिक विषयों में से किसी एक विषय पर लगभग 100 शब्दों में औपचारिक पत्र। (6 अंक × 1 प्रश्न)	06

III	चित्र वर्णन-चित्र में दिखाई दे रहे दृश्य/घटना का कल्पना शक्ति से लगभग 100 शब्दों में वर्णन। (विचारों का वर्णन स्पष्ट रूप से चित्र से ही संबद्ध होना चाहिए) (बिना किसी विकल्प के)	05
IV	दी गई परिस्थितियों के आधार पर संवाद लेखन। (लगभग 100 शब्दों में) (विकल्प सहित)	05
कुल		80

नोट : निम्नलिखित पाठों से प्रश्न नहीं पूछे जाएँगे। (नए संस्करण की पाठ्य पुस्तकों में निम्नलिखित पाठ नहीं हैं)

- स्पर्श (भाग-1) : ◦ धर्म की आड़ (पूरा पाठ)
 ◦ आदमीनामा (पूरा पाठ)
 ◦ एक फूल की चाह (पूरा पाठ)
- संचयन (भाग-1) : ◦ हामिद खाँ (पूरा पाठ)
 ◦ दिये जल उठे (पूरा पाठ)

PUNJABI (004)

लिखती परीक्षा - 80 अंक

आंतरिक मूलांक - 20 अंक, कुल - 100 अंक

पाठ पुस्तकें : 1. साहित-माला-9

2. वैनगी (9)

3. गोलडन पंजाबी विआकरण अਤੇ लिखत रचना
(नरिंदर सिंघ ਦੁੱਗਲ)

I. ਪੜ੍ਹਨ-ਕੌਸ਼ਲ (Reading Skill) (10)

1. ਅਣਡਿੱਠਾ ਪੈਰਾ

2. ਅਣਡਿੱਠੀ ਕਾਵਿ-ਟੁਕੜੀ

II. ਵਿਆਕਰਨ (12)

3. ਵਿਰੋਧੀ ਸ਼ਬਦ (ਬਹੁ-ਵਿਕਲਪੀ)

4. ਲਿੰਗ (ਬਹੁ-ਵਿਕਲਪੀ)

5. ਵਿਸਮਿਕ (ਬਹੁ-ਵਿਕਲਪੀ)
6. ਸ਼ਬਦ-ਸੁੱਧੀ (ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ)
7. ਕਿਰਿਆ (ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ)
8. ਮੁਹਾਵਰੇ (ਉ ਤੋਂ ਹ ਤੱਕ) ਵਾਕਾਂ ਵਿੱਚ ਵਰਤ ਕੇ ਅਰਥ ਸਪਸ਼ਟ ਕਰਨਾ।

III. ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਲਿਖਣ ਕੌਸ਼ਲ (18)

9. ਲੇਖ ਰਚਨਾ (ਵਿਚਾਰ-ਪ੍ਰਧਾਨ ਅਤੇ ਆਮ ਵਿਸ਼ੇ)
10. ਪੱਤਰ-ਰਚਨਾ (ਨਿੱਜੀ ਤੇ ਬਿਨੈ-ਪੱਤਰ)
11. ਚਿੱਤਰ (ਛੋਟੇ / ਤਸਵੀਰ / ਦ੍ਰਿਸ਼) ਦੇ ਅਧਾਰ 'ਤੇ

IV. ਪਾਠ-ਪੁਸਤਕਾਂ 'ਤੇ ਅਧਾਰਿਤ (40)

ਅਤਿ ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ

12. ਕਹਾਣੀ ਤੇ ਵਾਰਤਕ ਵਿੱਚੋਂ (ਬਹੁ-ਵਿਕਲਪੀ) ਚੋਣ ਅਧਾਰਿਤ
13. ਕਵਿਤਾ ਤੇ ਇਕਾਂਗੀ ਵਿੱਚੋਂ (ਬਹੁ-ਵਿਕਲਪੀ) ਚੋਣ ਅਧਾਰਿਤ
14. ਕਹਾਣੀ ਤੇ ਵਾਰਤਕ ਵਿੱਚੋਂ (ਇੱਕ ਜਾਂ ਦੋ ਸ਼ਬਦਾਂ ਵਾਲੇ, ਚੋਣ ਅਧਾਰਿਤ)

ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ

15. ਕਹਾਣੀ ਤੇ ਇਕਾਂਗੀ ਵਿੱਚੋਂ (25 ਤੋਂ 30 ਸ਼ਬਦਾਂ ਵਿੱਚ ਚੋਣ ਅਧਾਰਿਤ)

ਵੱਡੇ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ

16. ਕਵਿਤਾ ਤੇ ਵਾਰਤਕ ਵਿੱਚੋਂ (50 ਤੋਂ 60 ਸ਼ਬਦਾਂ ਵਿੱਚ ਚੋਣ ਅਧਾਰਿਤ)
17. ਇਕਾਂਗੀ 'ਚੋਂ ਵੱਡੇ ਉੱਤਰਾਂ ਵਾਲੇ (50 ਤੋਂ 60 ਸ਼ਬਦਾਂ ਵਿੱਚ ਚੋਣ ਅਧਾਰਿਤ)

1. ਸਾਹਿਤ-ਮਾਲਾ : 9 (ਪੰਜਾਬੀ ਕਵਿਤਾ ਤੇ ਵਾਰਤਕ)

(ਪ੍ਰਕਾਸ਼ਕ—ਪੰਜਾਬ ਸਕੂਲ ਸਿੱਖਿਆ ਬੋਰਡ)

ਕਾਵਿ-ਰਚਨਾਵਾਂ :

1. ਸਮਾਂ (ਭਾਈ ਵੀਰ ਸਿੰਘ)
2. ਵਿਸਾਖੀ ਦਾ ਮੇਲਾ (ਧਨੀ ਰਾਮ ਚਾਤ੍ਰਕ)
3. ਮੈਂ ਪੰਜਾਬੀ (ਫੀਰੋਜ਼ਦੀਨ ਸ਼ਰਫ)
4. ਨਵੀਂ ਪੁਰਾਣੀ ਤਹਿਜੀਬ (ਵਿਧਾਤਾ ਸਿੰਘ ਤੀਰ)
5. ਮਾਤਾ ਗੁਜਰੀ ਜੀ (ਨੰਦ ਲਾਲ ਨੂਰਪੁਰੀ)

ਵਾਰਤਕ :

1. ਵਹਿਮੀ ਤਾਇਆ (ਸੂਬਾ ਸਿੰਘ)
 2. ਮੁੜ ਵੇਖਿਆ ਪਿੰਡ (ਬਲਾਰਜ ਸਾਹਨੀ)
 3. ਖੁਸ਼ੀਆਂ ਆਪੇ ਨਹੀਂ ਆਉਂਦੀਆਂ (ਡਾ. ਟੀ.ਆਰ. ਸ਼ਰਮਾ)
 4. ਬੇਬੇ ਜੀ (ਡਾ. ਹਰਪਾਲ ਸਿੰਘ ਪੰਨੂ)
2. ਵੰਨਗੀ-9 (ਪੰਜਾਬੀ ਕਹਾਣੀਆਂ ਅਤੇ ਇਕਾਂਗੀ)

ਕਹਾਣੀਆਂ :

1. ਜਨਮ ਦਿਨ (ਸਵਿੰਦਰ ਸਿੰਘ ਉੱਪਲ)
2. ਸਾਂਝੀ ਕੰਧ (ਸੰਤੋਖ ਸਿੰਘ ਧੀਰ)
3. ਬੱਸ ਕੰਡਕਟਰ (ਡਾ. ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ)

ਇਕਾਂਗੀ :

1. ਮੌਨਧਾਰੀ (ਈਸ਼ਵਰ ਚੰਦਰ ਨੰਦਾ)
2. ਸਿਰਜਣਾ (ਪਾਲੀ ਭੁਪਿੰਦਰ ਸਿੰਘ)

MATHEMATICS

Book : Mathematics Textbook for Class-IX NCERT
Course Structure

Unit	Unit Name	Marks
I	Number Systems	10
II	Algebra	20
III	Coordinate Geometry	04
IV	Geometry	27
V	Mensuration	13
VI	Statistics	06
	Total	80

Unit I : Number Systems

1. Real Numbers ✓

Unit II : Algebra

1. Polynomials ✓

2. Linear Equations in two variables ✓

Unit III	: Coordinate Geometry 1. Coordinate Geometry ✓
Unit IV	: Geometry 1. Introduction to Euclid's Geometry 2. Lines and Angles ✓ 3. Triangles 4. Quadrilaterals 5. Circles
Unit V	: Mensuration 1. Areas 2. Surface Areas and Volumes
Unit VI	: Statistics 1. Statistics ✓
Internal Assessment	
	20 Marks
Pen Paper Test and Multiple Assessment (5 + 5)	10 Marks
Portfolio	05 Marks
Lab Practical (Lab Activities to be done from the prescribed books)	05 Marks
SCIENCE (086)	
Book : NCERT Science	
Theory (80 marks)	
Question Paper Design	
Competencies	Total
Demonstrate Knowledge and Understanding	46%
Application of Knowledge/Concepts	22%
Formulate, Analyze, Evaluate and Create	32%
	100%

Note :

- Typology of Questions : VSA including objective type questions, Assertion – Reasoning type questions; SA; LA; Source-based/ Case-based/ Passage-based/ Integrated assessment questions.
- An internal choice of approximately 33% would be provided.

Internal Assessment (20 Marks)

- **Periodic Assessment** - 05 marks + 05 marks
- **Subject Enrichment (Practical Work)** - 05 marks
- **Portfolio** - 05 marks

General Instructions :

1. There will be an Annual Examination based on the entire syllabus.
2. The Annual Examination will be of 80 marks and 20 marks weightage shall be for Internal Assessment.
3. For Internal Assessment :
 - (a) There will be Periodic Assessment that would include :
 - For 5 marks- Three periodic tests conducted by the school. Average of the best two tests to be taken that will have a weightage of 05 marks towards the final result.
 - For 5 marks- Diverse methods of assessment as per the need of the class dynamics and curriculum transaction. These may include - short tests, oral test, quiz, concept maps, projects, posters, presentations and enquiry based scientific investigations etc. and use rubrics for arguing them objectively. This will also have a weightage of 05 marks towards the final result.

- (b) Practical / Laboratory work should be done throughout the year and the student should maintain record of the same. Practical Assessment should be continuous. There will be weightage of 5 marks towards the final result. All practicals listed in the syllabus must be completed.
- (c) Portfolio to be prepared by the student- This would include classwork and other sample of student work and will carry a weightage of 5 marks towards the final results.

Unit No.	Unit	Marks
I	Matter - Its Nature and Behaviour	25
II	Organization in the Living World	22
III	Motion, Force and Work	27
IV	Food; Food Production	06
	Total	80
	Internal assessment	20
	Grand Total	100

Theme : Materials

Unit I : 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.

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

Particle nature and their basic units : Atoms and molecules, Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses.

Structure of atoms : Electrons, protons and neutrons, Valency, Atomic Number and Mass Number, Isotopes and Isobars.

Theme : The World of the Living

Unit II : Organization in the Living World

Cell-Basic Unit of life : Cell as 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.

Tissues, Organs, Organ System, Organism : Structure and functions of animal and plant tissues (only four types of tissues in animals; Meristematic and Permanent tissues in plants).

Theme : Moving Things, People and Ideas

Unit III : Motion, Force and Work

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.

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

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

Floatation : Thrust and Pressure, Archimedes' Principles; Buoyancy.

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).

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

Theme : Food

Unit IV : Food Production

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

1. The chapter natural Resources (NCERT Chapter 14) will not be assessed in the year-end examination. However, learners may be assigned to read this chapter and encouraged to prepare a brief write up on any concept of this chapter in their Portfolio. This may be for Internal Assessment and credit may be given for Periodic Assessment/Portio.
2. The NCERT text books present information in boxes across the book. These help students

to get conceptual clarity. However, the information in these boxes would not be assessed in the year-end examination.

PRACTICALS

Practicals should be conducted alongside the concepts taught in theory classes.

(LIST OF EXPERIMENTS)

- Unit-I**
1. 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 distinguished between these on the basis of
 - transparency
 - filtration criterion
 - stability
 2. Preparation of :
 - (a) A mixture
 - (b) A compoundusing iron fillings 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
 3. 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
4. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams. **Unit-II**
5. 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 labeled diagrams. **Unit-II**
6. Determination of the melting point of ice and the boiling point of water. **Unit-I**
7. Verification of the Laws of Reflection of sound. **Unit-III**
8. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. **Unit-III**
9. Establishing the relation between the loss in weight of a solid when fully immersed in : **Unit-III**
- (a) Tap water
 - (b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.
10. Determination of the speed of a pulse propagated through a stretched string/ slinky (helical spring). **Unit-III**
11. Verification of the law of conservation of mass in a chemical reaction. **Unit-III**

SOCIAL SCIENCE

Prescribed Text Books :

1. History – India and the Contemporary World-I NCERT
2. Political Science – Democratic Politics NCERT
3. Geography – Contemporary India NCERT
4. Economics – Economics NCERT

HISTORY

(India and Contemporary World (20 marks)
inclusive of Map pointing)

Section	Ch.No.	Chapter Name	
I Events and Process	1	The French Revolution	
	2	Socialism in Europe and the Russian Revolution	
	3	Nazism and the Rise of Hitler	
II Livelihood Economics and Societies	4	Forest Society and Colonialism (internally assessed for 5 marks) Interdisciplinary Project as part of multiple assessment	18+2 Map point- ing
	5	Pastoralists in the Modern World (To be assessed in the Periodic Assessment Only)	

GEOGRAPHY

(Contemporary India) (20 marks including 2 Map pointing)

Ch.No.	Chapter Name	Allocated
1	India-Size and Location	17+3 Map pointing
2	Physical Features of India	
3	Drainage	
4	Climate	
5	Natural Vegetation and Wild Life (Only map pointing to be evaluated in the annual examination) (For Interdisciplinary Project) as a part of Multiple assess- ment Internally assessed for 5 marks	
6	Population	

POLITICAL SCIENCE

(Democratic Politics) (20 marks)

Ch.No.	Chapter Name	Marks Allocated
1	What is Democracy ? Why Democracy ?	20
2	Constitutional Design	
3	Electoral Politics	
4	Working of Institutions	
5	Democratic Rights	

ECONOMICS (20 Marks)

Ch.No.	Chapter Name	Marks Allocated
1	The Story of Villages Palampur (To be assessed in Periodic assessment only)	20
2	People As Resource	
3	Poverty as a Challenge	
4	Food Security in India	

LIST OF MAPS

HISTORY

Chapter – French Revolution

Outline political map of France locate / label / identify.

* Bordeaux, Nantes, Paris, Marseille

Chapter – Socialism in Europe

Outline political map of World locate / label / identify major countries of World War.

(Central Powers–Germany, Austria–Hungary, Turkey, (Ottoman Empire))

Allied Powers–France, England, Russia, USA

GEOGRAPHY

Chapter – India-Size and Location

* India–States with Capitals

* Tropic of Cancer, Standard Meridian (Location / Labelling)

* Neighbouring Countries

Chapter – Physical Features of India

* Mountain Ranges–The Karakoram, The Zaskar, The Shivalik, The Aravali, The Vindhya, The Satpura, Western and Eastern Ghats

- * Mountain Peaks–K2, Kanchan Junga, AnaiMudi
- * Plateau–Deccan Plateau, Chota Nagpur Plateau, Malwa Plateau
- * Coastal Plains–Konkan, Malabar, Coromandal and Northern Circar (Locating and Labelling)

Chapter – Drainage

Rivers (Identification Only)

- * The Himalayan Rivers System–The Indus, The Ganga, The Sutlej
- * The Peninsular Rivers–The Narmada, The Tapi, The Kaveri, The Krishna, The Godavari, The Mahanadi
- * Lakes–Wular, Pulicat, Sambhar, Chilika

Chapter – Climate

- * An Annual rainfall in India, Monsoon Wind directions

Chapter – Population

- * Population density of all states
- * The State having highest and lowest density of Population

INTERNAL ASSESSMENT–20 MARKS

Type of Assessment	Description	Marks Allocated
Periodic Assessment	Pen Paper Test	5
Multiple Assessment	Inter disciplinary Project (Quiz, debate, role play, group discussion, visual expression, interactive bulletin boards, gallery walks, exit cards, concept maps, peer assessment, self-assessment etc.)	5

Subject Enrichment Activity Portfolio	<p>Project</p> <p>5</p> <p>Classwork, work done (activities / assignments) reflections, narrations, journals, etc.</p> <p>Achievements of the student in the subject throughout the year</p> <p>Participation of the student in different activities like heritage India quiz.</p> <p>5</p>	5
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PHYSICAL EDUCATION

Term-I

1. Athletics :

- (a) Track Events : Short distance races and middle distance races (any one)
- (b) Field Events : Shot Put, Long Jump, Discus Throw, Javlin Throw, High Jump (any one)

2. Games :

- (a) Major Games : Football, Handball, Volleyball, Kho-Kho, Chess, Badminton (any one)
- (b) Combative Games : Judo, Wrestling, Yoga, Tug of War, Karate (any one)

Term-II

- 3. Mass P.T. Exercises
- 4. Yog and Meditation
- 5. Safety in Play ground
- 6. General Exercise and Specific Exercises

7. General discussion regarding discipline moral education, Health and Hygiene.
8. Project Work : Games and Sports, Yog, Balance diet and Traffic Rules.

DANCE

April	Shalok and Kaviti
May	Tatkar (Ekgun, Dugun, Teegun, Chaugun)
July	Tarana
August	Raas with Dandia
September	Salami and Aamad
October	Utthan and Ganesh Vandana
November	Gat Nikas
December	Haryanvi Dance
January	Bhangra and Giddha on Lohri festival
February	Practice of all syllabus

WORK EDUCATION

Term-I

1. Poster Design on any current problem.
2. Cooking without fire / Basic Cooking Activities.
3. Participation in School Cleanliness Program.

Term-II

4. Preparation of a Budget and helping their elders in Household activities.
5. Funk with Junk (To make any useful item with waste material)
6. A field trip like an old age home, a bank or a historical site.

CRAFT

April	Jute Art
May	Terracotta Art
July	Fabric Painting with Flowers
August	Creative Wall Hanging
September	Stone Art Painting
October	Mandala Art
November	Creation of Personal Diary Cover
December	Decoupage Art / Bottle Design
January	Table mats with coasters

DRAWING

April	Still Life Nature Study
May	Bird Study Animal Study
July	Landscape Body Proportions
August	Sketching Portrait
September	Compositions
October	City scapes Poster Design
November	Cartoon Design Life Study
December	Calligraphy Texture Art
January	Mix-Media Art

MUSIC

April	(a) 10 Sargams (b) Skt. Prayers, Vandana & भोजन मंत्र
May	(a) Song on Mother's Day (b) Shani Bhajan (c) Shabad Shri Guru Arjun Dev Ji
July	Prayer Song Folk Song English Song
August	Patriotic Song Song on Haryali Teej Song on Ganpati Mahotsav Rakhi Song Krishna Bhajan
September	Exams
October	Ram Bhajan Hanuman Chalisa Mata Ki Bhaint Aarti Teen Taal
November	Shabad on Guru Nanak Dev Ji Rupak Taal
December	Eng Prayer Songs
January	Shabad on Guru Gobind Singh Ji Lohri Songs
February	Song on Basant Shiv Bhajan Bollywood Songs Practice of all songs.

INFORMATION TECHNOLOGY (402)

Part-A (Employability Skills)

- Unit 1 Communication Skills-I
- Unit 2 Self-Management Skills-I
- Unit 3 ICT Skills-I
- Unit 4 Entrepreneurial Skills-I
- Unit 5 Green Skills-I

Part-B (Subject Specific Skills)

- Unit 1 Introduction to IT-ITeS Industry
- Unit 2 Data Entry & Keyboarding Skills
- Unit 3 Digital Documentation
- Unit 4 Electronic Spreadsheet
- Unit 5 Digital Presentation