

+1 SCIENCE

ENGLISH

Books prescriber:

1. Snapshots-XI NCERT
2. Hornbill-XI NCERT
3. BBC Literary Companion

TERM-1 (April to September)

APRIL

Hornbill	Chapter 1- The Portrait of a lady Poem- Photograph
Writing	Advertisement
Grammar	Jumbled sentences OBT/Monthly test

MAY

Snapshots	Chapter 1- The summer of beautiful white horse
Hornbill	Poem- The Laburnum top
Writing	Poster designing
Grammar	Gap filling / May Periodic test

JUNE

Summer vacation
Project on the life of Khushwant Singh

JULY

Hornbill	Lesson 2- We are not afraid to die
Lesson 3	Discovering Tut
Snapshots	Lesson 2- The Address
Grammar	Revision of gap filling & Jumbled sentences

Writing Practice of Advertisement/Poster

AUGUST

Hornbill Poem- The Voice of rain

Snapshots Play- Mother's Day

Writing Speech writing

Reading Note-making

OBT/ Monthly test

SEPTEMBER

Revision and half yearly exams

TERM 2 (October to March)

OCTOBER

Hornbill Poem- The childhood

Lesson- The Adventure

Snapshots Birth

Grammar Sentence transformation

SEA Make a First aid box on the basis of chapter birth

NOVEMBER

Hornbill Chapter- Silk Road

Poem Father to son

Snapshots Poem- The Tale of Melon city

Writing Debate writing

Grammar Integrated Grammar

OBT/Monthly test

DECEMBER

Revision and Periodics January- ASL (Practical)

Pre-board exams

FEBRUARY/MARCH

Revision + Final exams

MATH

Books prescribed: NCERT Math-XI class

APRIL

Chapter-1	Sets
Chapter-4	Complex numbers and quadratic equations
Chapter-5	Linear inequalities

MAY

Chapter-3	Trigonometry functions (Ex 3.1 & Ex 3.2) Subject enrichment activity: to represent set theoretic operations using venn diagram
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JULY Chapter-3 Trigonometry functions (Ex 3.3 + Misc exercise)

Chapter-12	Limits and derivatives
Chapter-6	Permutations and combination Art integrated activity: operation on set

AUGUST

Chapter-11	Introduction to 3D geometry
Chapter-14	Probability
Chapter-7	Binomial theorem

SEPTEMBER

Chapter	1,4,5,3,7,12,6,11,14 Monthly test
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OCTOBER

Chapter-8	Sequence and series
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Chapter-9 Straight lines
Subject enrichment activity: To construct parabola
Art integrated activity: Geometry project

NOVEMBER

Chapter-2 Relation and functions
Chapter-10 Conic section
Chapter-13 Statistics

DECEMBER

Unit test: (Chapter-8,9,10,13)

JANUARY

Pre-board I

FEBRUARY

Final exam

PUNJABI

Book Prescribed:

1. ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ-11

APRIL

1. ਦੰਤ ਕਥਾਵਾਂ (ਪੂਰਨ ਭਗਤ)
2. ਬੈਂਕ ਸੇਵਾਵਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਵਾਕ
3. ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ (A to E)

MAY

4. ਅਖਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ
- 5, ਅਣਡਿੱਠਾ ਪੈਰਾ-ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ (F to K)
6. ਪੈਰਾ ਰਚਨਾ

Activity: Project on topic – ਸੁਹਾਗ

Unit Test Exam

JUNE

Summer Vacations

JULY

7. ਸੁਹਾਗ (1 ਤੋਂ 8) ਟੱਪੇ, ਰੇਲਵੇ ਸੇਵਾਵਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਵਾਕ
8. ਬੁਝਾਰਤਾਂ (1 ਤੋਂ 20)
9. ਅਖਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ
10. ਪੈਰਾ ਰਚਨਾ, ਸੱਦਾ ਪੱਤਰ
11. ਪ੍ਰੀਤ ਕਥਾ- ਹੀਰ-ਰਾਂਝਾ

Subject Enrichment Activity: Quiz on ਬੁਝਾਰਤਾਂ

AUGUST

12. ਘੋੜੀਆਂ (1 ਤੋਂ 5) ਢੋਲਾ (1 ਤੋਂ 5)
13. ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ (L to O)
14. ਬੀਮਾ ਤੇ ਡਾਕ ਸੇਵਾਵਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਵਾਕ, ਮੁਹਾਵਰੇ, ਪੈਰਾ ਰਚਨਾ

SEPTEMBER

15. ਰਾਜਾ ਰਸਾਲੂ (ਦੰਤ ਕਥਾ)

16. ਕੰਪਿਊਟਰ ਸੇਵਾਵਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਵਾਕ
17. ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ (P to S)

Ist Term Exams

OCTOBER

18. ਦੁੱਲਾ ਭੱਟੀ
19. ਮਾਹੀਆ
20. ਮਿਰਜਾ ਸਾਹਿਬਾ (ਪ੍ਰੀਤ ਕਥਾ)

Activity- ਕਿੱਸਾ ਕਾਵਿ ਅਤੇ ਬੀਰ ਕਾਵਿ ਵਿੱਚ ਅੰਤਰ ਬਾਰੇ
ਸਮੀਖਣ ਤੇ ਚਰਚਾ

NOVEMBER

ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ

DECEMBER

Revision & Exams

JANUARY

Pre-board

FEBRUARY

Final Exams

CHEMISTRY

Books Prescribed:

- NCERT
- MODERNS'S abc by Dr. S. P. Junker
- Dinesh by S.K. Malhotra

APRIL

1. Some Basic Concepts of Chemistry
2. Structure of Atom

SUBJECT ENRICHMENT ACTIVITY

1. Make a Formulas chart of Some Basic Concepts of Chemistry

ART-INTEGRATED ACTIVITY

1. Study and use of various media and techniques to the extent of their availability.

OBT (Open Book Test) and Monthly Test

MAY

Revision, Tests and Periodic Test.

JUNE

Summer vacation

JULY

3. Classification of Elements and Periodicity in Properties
4. Chemical Bonding and Molecular Structure

PRACTICAL:**A. Basic Laboratory Techniques**

1. Cutting glass tube and glass rod
2. Bending a glass tube
3. Drawing out a glass jet
4. Boring a cork

B. Characterization and Purification of Chemical Substances

1. Determination of melting point of an organic compound.
2. Determination of boiling point of an organic compound.
3. Crystallization of impure sample of any one of the following: Alum, Copper Sulphate, Benzoic Acid.

SUBJECT ENRICHMENT ACTIVITY

1. Make a Waves Doodle notes.

ART-INTEGRATED ACTIVITY

1. Make a Periodic Table RUBIK'S CUBE to study the properties of Periodic Table.
2. Study of visual resources (at home and in the surroundings) and means of creative expression.

AUGUST

5. Chemical Thermodynamics
6. Equilibrium

ART-INTEGRATED PROJECT

pH and Buffer Solutions: Illustrate pH changes and buffer action through art.

OBT (Open Book Test) and Monthly Test,

PRACTICAL:

C. Experiments based on pH

1. Any one of the following experiments:

Determination of pH of some solutions obtained from fruit juices, solution of known and varied concentrations of acids, bases and salts using pH paper or universal indicator.

Comparing the pH of solutions of strong and weak acids of same concentration. Study the pH change in the titration of a strong base using universal indicator.

2. Study the pH change by common-ion in case of weak acids and weak bases.

D. Chemical Equilibrium

One of the following experiments:

1. Study the shift in equilibrium between ferric ions and thiocyanate ions by increasing/decreasing the concentration of either of the ions.
2. Study the shift in equilibrium between $[\text{Co}(\text{H}_2\text{O})]$ and chloride ions by changing the concentration of either of the ions

E. Quantitative Estimation

1. Using a mechanical balance/electronic balance.

2. Preparation of standard solution of Oxalic acid.
3. Determination of strength of a given solution of Sodium hydroxide by titrating of against standard solution of Oxalic acid.
4. Preparation of standard solution of Sodium carbonate.
5. Determination of strength of a given solution of hydrochloric acid by titrating it against standard Sodium Carbonate solution.

SEPTEMBER

Revision, Tests and Half yearly Exam.

OCTOBER

7. Redox Reactions
8. Organic Chemistry: Some basic Principles and Techniques

ART-INTEGRATED PROJECT

Illustrate functional groups, isomerism through art.

PRACTICAL:

F. Qualitative Analysis

- a. Determination of one anion and one cation in a given salt

Cations: Pb^{2+} , Cu^{2+} , Al^{3+} , Fe^{3+} , Mn^{2+} , Zn^{2+} , Co^{2+} , Co^{2+} , N

i^{2+} , Zn^{2+} , Co^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+} , Mg^{2+} , NH_4^+

Anions: $(\text{CO}_3)^{2-}$, S^{2-} , NO_2^- , SO_3^{2-} , SO_4^{2-} , NO_3^- , Br^- , Br^- , PO_4^{3-} , $\text{C}_2\text{O}_4^{2-}$, CH_3COO^-

(Note: Insoluble salts excluded)

- b. Detection of-Nitrogen, Sulphur, Chlorine in organic compounds.

G. PROJECTS

Scientific investigations involving laboratory testing and collecting information from other Sources

NOVEMBER

9. Hydrocarbons
Monthly Test
Revision and Tests

SUBJECT ENRICHMENT ACTIVITY

1. Make a Mind Map of Redox Reactions

ART-INTEGRATED ACTIVITY

1. Make a water Distillation Model

DECEMBER

Revision and December unit test.

JANUARY

Revision and Revision Tests
Pre-Board Exam

FEBRUARY

Final Practical Exam and Final Exam

BIOLOGY

Book prescribed:

1. NCERT biology
2. Pradeep's production II
- 3.

APRIL

UNIT-I Diversity

Chapter-1 The living world

Chapter-2 Biological world

Chapter-3 Plant Kingdom

- Practicals**
- I. To study parts of microscopes
 - II. Specimens identification(2,3)
 - III. Study of specimens and identification with reasons

MAY

Chapter-4 Animal Kingdom

Revision + Periodic Test

JUNE

Summer vacation

JULY

UNIT-2 Structural organisation in plants and animals.

Chapter-5 Morphology of flowering plants

Chapter-6 Anatomy of flowering plants

Chapter-7 Structural organisation in animals

- Practicals**
- IV. Mitosis and meiosis

- V. Inflorescence
- VI. Describe 3 families of flowering plants

AUGUST

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|-------------------|--|
| Chapter-8 | Structural organisation in animals |
| Chapter-9 | Cell: unit of life |
| Chapter-10 | Biomolecules |
| Chapter-11 | Cell cycle and cell division |
| Practicals | VII. T.S of monocot and dicot roots and stem |
| | VIII. External morphology of frog |
| | IX. Osmosis by potato ohmmeter |
| | X. Plasmolysis in epidermal peel |

SEPTEMBER

Half yearly exams

OCTOBER

- | | |
|------------|---------------------------------|
| Chapter-12 | Transport in plants |
| Chapter-13 | Mineral Nutrition |
| Chapter-14 | Photosynthesis in higher plants |
| Chapter-15 | Respiration in plants |
| Chapter-16 | Plant growth and regulators |

NOVEMBER

- | | |
|------------|---------------------------------|
| Chapter-17 | Digestion and Absorption |
| Chapter-18 | Breathing and exchange of gases |
| Chapter-19 | Body fluid and circulation |

Chapter-20	Excretory system
Chapter-21	Locomotion
Chapter-22	Neural control
Chapter-23	Chemical co-ordination

DECEMBER

Unit exams

JANUARY

Revision pre-board, final practical

FEBRUARY

Final exams

PHYSICAL EDUCATION

Book Prescribed: SP Publications

APRIL

- Unit I Changing trends & career in physical education
- Unit II Olympian value education

MAY

- Unit III Yoga

JULY

- Unit IV Physical education for CSWN
- Unit V Physical fitness, wellness of lifestyle

AUGUST

- Unit VI Test, Measurement of evaluation

SEPTEMBER

Half yearly examination

OCTOBER

- Unit VII Fundamentals of Anatomy & physiology in sports

NOVEMBER

- Unit VIII Fundamentals of kinesiology and biomechanics in sports

Unit IX Psychology & Sports

DECEMBER

Unit X training in sports

JANUARY AND FEBRUARY

Revision of tests

HINDUSTANI MUSIC VOCAL

UNIT-1

1. Brief study of the following: Nada, Shruti, Swara, Saptak, Thaut, Jati, Laya, Tala
2. Brief study of the following: Margi Sangeet, Desi Sangeet, Raga

UNIT-2

- 2.1 Brief history of the following: Dhrupad, Khayal and Tarana singing styles

UNIT-3

- 3.1 Brief study of musical elements in Natya shastra Granth.
- 3.2 Life sketch and contribution towards Indian classical music of the following vocal artists.
 - i. Tansen Ji
 - ii. Vishnu Narayan Bhatkhande Ji
 - iii. Vishnu Digambar Paluskar Ji

UNIT-4

- 4.1 Description of prescribed talas along with tala notation with Thah, Dugun, Tigun and Changuin Roopak, Jhaptaal and Dhamar taal
- 4.2 Knowledge of the structure of tanpura and full detail of instruments along with its body parts.

UNIT-5

- 5.1 Critical study of prescribed ragas along with recognising ragas from phrases of swaras and elaborating them excluding raga shudh saarang

- 5.2 Writing in notation the composition of prescribed raga
- i. Bhairav
 - ii. Bageshwari
 - iii. Malkaus

PRACTICAL

- 1. One vilambhit khayal with simple elaborations and few terms in any two of the prescribed raga.
- 2. One drut khayal with elaboration and trans in raga bhairav, Bageshwari and malkaus.
- 3. One tarana and one dhamar with dugun and change in any of the prescribed pages
- 4. Ability to recognise the raga from the phases of surrs.
- 5. Recitation of thekas of roopak, jhaptal and taal dhumar on hand beats.
- 6. Turning of tanpura.

PAINTING

Prescribed book:

Panoramic Indian painting-XI

APRIL

Theory	Introduction the elements and principles of art
Practical	1. Still life 2. Sketching

MAY

Theory	Pre-historic rock- paintings
Practical	Nature Study

JULY

Theory	Art of Indus Valley Civilization
Practical	Folk Art

SEPTEMBER

Half yearly examination.

OCTOBER

Theory	1. Art of Ajanta 2. Architecture- Taj Mahal, Qutub Minar, Gol Gumbaz
Practical	Advertisement

NOVEMBER

Theory	Artist 1. Amrita Shergil 2. M.F. Hussain
Practical	Composition.

DECEMBER

December Unit test

JANUARY

Practical 1. Mosaic art
 2. Still Life

FEBRUARY

Revision

MARCH

Chapter Final Examination