

## Syllabus for English of 11<sup>th</sup> class

MONTH	HORNBILL	SNAPSHOTS	WRITING SECTION/GRAMMAR
<b>APRIL</b>	L-1 The portrait of lady P-1 The Photograph	L-1 The Summer of the beautiful white horse	Advertisement
<b>MAY</b>	L-2 We are not afraid to die	.....	Classified Advertisement
<b>MAY: REVISION OF APRIL, MAY SYLLABUS &amp; PT-1 EXAMS WILL BE THERE JUNE: SUMMER VACATIONS (1 TO 30 JUNE)</b>			
<b>JULY</b>	L-3 Discovering Tut  P-2 The voice of the rain  L- The Laburnum Top	L-2 The Address	Speech Writing
<b>AUGUST</b>	L-7 The Adventure  P-3 Childhood	L- 5 Mother's Day	Poster making  Gap filling and Mix grammar

**SEPTEMBER: REVISION OF WHOLE SYLLABUS OF HALF YEARLY EXAMS and Half Yearly Exams will be there.**

<b>OCTOBER</b>	L-8 Silk Road	L-7 Birth	Debate writing
<b>NOVEMBER</b>	P-5 Father to Son	L-8 The Tale of Melon City	
<b>DECEMBER</b>	REVISION OF WHOLE SYLLABUS		
<b>JANUARY</b>	<b>PERIODIC TEST 2 &amp; FINAL ASSESSMENT</b>		
<b>FEBRUARY</b>	<b>PERIODIC TEST 3</b>		
<b>MARCH</b>	<b>FINAL EXAMS &amp; RESULT</b>		

\*Speaking and Listening Activity will be done in every month.

\*Periodic tests will be conducted as per the scheduled time period.

\* Any change is liable in it according to the schedule given by CBSE.

आरोह ,वितान भाग-1

April-- नमक का दरोगा, कबीर के पद

व्याकरण- अपठित गद्यांश , रचनात्मक लेखन

May- मियाँ नसीरुद्दीन .मीरा के पद, PT1 EXAM

व्याकरण-औपचारिक पत्र,शब्दकोश,अपठित पद्यांश

July- विदाई संभाषण, राजस्थान की रजत बूँद

व्याकरण- डायरी लेखन, संदभ ग्रंथ

August- गलता लोहा , व आँख , PT2

व्याकरण- कथा पटकथा, रोजगार संबंधी पत्र

September- दोहराई एवं परीक्षा (April-August)

October-घर की याद, जामुन का पेड़, स्पीति म बारिश

व्याकरण- अपठित गद्यांश , रचनात्मक लेखन

November- भारत माता, गजल

व्याकरण- संदभ ग्रंथ , औपचारिक पत्र, शब्दकोश, डायरी लेखन

December- आओ मिलकर बचाए, आलो आँधारि

व्याकरण- स्वत लेखन, रोजगार संबंधी, आवेदन पत्र, संदभ ग्रंथ , कथा पटकथा

January- दोहराई PT2 exam, Internal ass.

Feb. – दोहराई, Practical

March- Final exam.

PT 1- नमक का दरोगा, मियाँ नसीरुद्दीन, मीरा के पद, अपठित गद्यांश , रचनात्मक लेखन

PT2- विदाई संभाषण, राजस्थान की रजत बूँद, डायरी लेखन, कथा पटकथा, संदभ ग्रंथ

**ਪਾਠ-ਪੁਸਤਕ : ਲਾਜਮੀ ਪੰਜਾਬੀ 11 (ਪੰਜਾਬ ਸਕੂਲ ਸਿੱਖਿਆ ਬੋਰਡ), ਵਿਆਕਰਨ**

**ਅਪ੍ਰੈਲ** -ਲੋਕ-ਗੀਤ-ਬੋਲੀਆਂ, ਦੰਤ-ਕਥਾ- ਪੂਰਨ ਭਗਤ, ਮੁਹਾਵਰੇ (1-15)

**ਮਈ**- ਪ੍ਰੀਤ ਕਥਾ-ਹੀਰ ਰਾਂਝਾ,ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ(ਦਫਤਰੀ ਸ਼ਬਦਾਵਲੀ),ਮੁਹਾਵਰੇ (16-30) ,ਦੁਹਰਾਈ ,PT-1Exams.

**ਜੂਨ**- ਗਰਮੀਆਂ ਦੀਆਂ ਛੁੱਟੀਆਂ

**ਜੁਲਾਈ**- ਲੋਕ-ਗੀਤ-ਸੁਹਾਗ,ਦੰਤ ਕਥਾ-ਦੁੱਲਾ ਭੱਟੀ,ਸੱਦਾ-ਪੱਤਰ, ਮੁਹਾਵਰੇ (31-45)

**ਅਗਸਤ**- ਲੋਕ-ਗੀਤ-ਟੱਪਾ,ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਅਨੁਵਾਦ (ਡਾਕ ਅਤੇ ਰੇਲਵੇ ਨਾਲ ਸੰਬੰਧਤ ਵਾਕ, ਵੱਖ ਵੱਖ ਵਿਸ਼ਿਆਂ ਨਾਲ ਸੰਬੰਧਤ ਸ਼ਬਦਾਵਲੀ),

**ਸਤੰਬਰ**- ਦੁਹਰਾਈ,ਛਿਮਾਹੀ ਇਮਤਿਹਾਨ(ਸਿਲੇਬਸ ਅਪ੍ਰੈਲ ਤੋਂ ਅਗਸਤ)

**ਅਕਤੂਬਰ**- ਦੰਤ-ਕਥਾ-ਰਾਜਾ ਰਸਾਲੂ, ਲੋਕ ਗੀਤ-ਘੋੜੀਆਂ,ਮੁਹਾਵਰੇ (46-60)

ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ(ਬੀਮਾ ਅਤੇ ਕੰਪਿਊਟਰ ਨਾਲ ਸੰਬੰਧਤ ਵਾਕ)

**ਨਵੰਬਰ**- ਲੋਕ-ਗੀਤ (ਢੋਲਾ,ਮਾਹੀਆ), ਇਸਤਿਹਾਰ, ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ (ਬੈਂਕ ਅਤੇ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਨਾਲ ਸੰਬੰਧਤ ਸ਼ਬਦਾਵਲੀ)

**ਦਸੰਬਰ**- ਪ੍ਰੀਤ-ਕਥਾ(ਮਿਰਜਾ-ਸਾਹਿਬਾਂ, ਲੋਕ ਗੀਤ -ਬੁਝਾਰਤਾਂ, ਮੁਹਾਵਰੇ (61-80)

**ਜਨਵਰੀ**- ਦੁਹਰਾਈ , ਗਤੀਵਿਧੀ (ਸੁਣਨ ਕੌਸ਼ਲ, ਬੋਲਣ ਕੌਸ਼ਲ) ਮੁਲਾਂਕਣ , PT-2 EXAMS

**ਫਰਵਰੀ-ਮਾਰਚ-ਦੁਹਰਾਈ,ਸਾਲਾਨਾ ਇਮਤਿਹਾਨ**

**PT-1 syllabus:-** ਬੋਲੀਆਂ,ਦੰਤ-ਕਥਾ ਪੂਰਨ ਭਗਤ, ਪਰੀਤ ਕਥਾ -ਹੀਰ ਰਾਂਝਾ,ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ(ਦਫਤਰੀ ਸ਼ਬਦਾਵਲੀ) , ਮੁਹਾਵਰੇ(1-15), ਅਣਡਿੱਠਾ ਪੈਰਾ

**PT-2 syllabus:-** ਲੋਕ ਗੀਤ -ਢੋਲਾ ਮਾਹੀਆ, ਪ੍ਰੀਤ ਕਥਾ-ਮਿਰਜਾ ਸਾਹਿਬਾਂ, ਪੱਤਰ, ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਅਨੁਵਾਦ, ਅਣਡਿੱਠਾ ਪੈਰਾ

**ਨੋਟ :** -ਲੇਖ,ਪੱਤਰ,ਅਣਡਿੱਠਾ ਪੈਰਾ ਨਮੂਨੇ ਵਜੋਂ ਕਰਵਾਏ ਜਾਣਗੇ। ਹਰ ਮਹੀਨੇ ਗਤੀਵਿਧੀ( ਬੋਲਣ ਕੌਸ਼ਲ / ਸੁਣਨ ਕੌਸ਼ਲ) ਕਰਵਾਈ ਜਾਵੇਗੀ। ਮਹੀਨੇ ਦੇ ਦੂਸਰੇ ਅਤੇ ਤੀਸਰੇ ਹਫਤੇ ਟੈਸਟ ਸਮਾਂ ਸੂਚੀ ਅਨੁਸਾਰ ਕਲਾਸ ਟੈਸਟ ਲਏ ਜਾਣਗੇ।

Class 11 <sup>th</sup>		Session 2023-2024	Maths Syllabus
MONTH	CHAPTERS	CHAPTER NAME	
April	ch-1	sets	
	ch-4	complex	
May	ch-5	linear equations	
	ch-2	relation and function	
	<b>PT-1</b>	<b>ch-1,5,6</b>	
June/July	ch-3	trigonometry	
	ch-6	permutation and combination	
	ch-7	binomial	
August	ch-8	sequences and series	
	Ch-14	statistics	
	<b>PT-2</b>	<b>Ch- 3,8</b>	
Sept.	<b>Revision and mid term exam</b>		
	<b>syllabus</b>	<b>ch- 1,2,3,4,5,6,7,8,14</b>	
Oct.	ch-11	3-D	
	ch-9	straight line	
November	ch-10	conic section	
	ch-12	limit and derivative	
December	ch-15	probability	
January	<b>PT-3 (ch-11,09,12) , Final assessment</b>		
Feb.	<b>Revision</b>		
March	<b>Final exam</b>		

**R.K.S. Sen. Sec. Public School**  
**Session – 2023-2024**

**Class – 11<sup>th</sup>**

**Subject - Biology**

S.No.	Month	Content
1.	April	Ch-2 Biological Classification Ch- 3 Plant Kingdom
2.	May	Ch-4 Animal Kingdom Ch-1 The Living world. <b>PT -1 (Ch-2,Ch-3 and Ch -4)</b>
3.	June	<b>Practical and Project work.</b>
4.	July	Ch-5 Morphology in flowering plants Ch-6 Anatomy in flowering plants Ch- 7 (Structural organisation in animals)
5.	August	Ch- 8 (Cell – The unit of life) Ch-9 ( Biomolecules) Ch-10( Cell cycle and cell division)
6.	September	<b>Revision and Half Yearly Exams (Ch 1 to Ch 10)</b>
7.	October	Ch- 11( Photosynthesis in higher plants) Ch- 12, (Respiration in Plants.) Ch- 13(Plant growth and development)
8.	November	Ch-14 (Breathing and Exchange of gases) Ch-15 (Body Fluids and Circulation.) Ch- 16(Excretory Products and their Elimination.)
9.	December	Ch -17 (Locomotion and movement) Ch- 18 (Neural control and coordination.) Ch-19( Chemical Coordination and Integration.)
10.	January	<b>Practicals &amp; Revision. , PT2 (Full Syllabus)</b>
11.	February	<b>Revision</b>
12.	March	<b>Final Exam</b>

**Class 11<sup>th</sup>**

**(Session 2023-24)**

**Subject - Accountancy**

<b>MONTH</b>	<b>CHAPTER</b>
APRIL	Introduction to accounting
MAY	Theory based of accounting ,journal (PT1)
JUNE	PROJECT WORK SUMMER VACATIONS
JULY	Leadger,Cash book ,other books(subsidiaries books)
AUGUST	Trial balance , depreciation REVISION OF HALF SYLLABUS
SEPTEMBER	REVISION TERM 1 EXAM
OCTOBER	Rectification of errors, provision and reserves ,financial statements (W/A)
NOVEMBER	Financial statements with adjustments ,
DECEMBER	B.R.S Revisions and winter vacation
JANUARY	Single Entry System & PT2
FEBRUARY	Revision & practical and final assessment
MARCH	Final exam

**CLASS 11 COMMERCE (SESSION-2023-2024)**

**Business studies**

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MONTH	CHAPTER
APRIL	CH-1 NATURE AND PURPOSE OF BUSINESS
MAY	CH-2 FORMS OF BUSINESS CH-3 PRIVATE, PUBLIC AND GLOBAL ENTERPRISES (PT1)
JUNE	PROJECT WORK
JULY	CH-4 BUSINESS SERVICES CH-5 EMERGING MODES OF BUSINESS
AUGUST	CH-6 SOCIAL RESPONSIBILITY OF BUSINESS
SEPTEMBER	REVISION, TERM 1 EXAM
OCTOBER	CH-7 SOURCES OF BUSINESS FINANCE CH- 8 SMALL BUSINESS
NOVEMBER	CH-9 INTERNAL TRADE
DECEMBER	CH- 10 INTERNATIONAL TRADE
JANUARY	REVISION and (PT2)
FEBRUARY	REVISION
MARCH	FINAL EXAM

**\*Two Class tests (during 2<sup>nd</sup> & 3<sup>rd</sup> week) will be conducted every month as per the scheduled time period.**

**\* Any change is liable in it according to the schedule given by CBSE.**

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## Syllabus 11<sup>th</sup> Economics(Session 2023-24)

MONTH	CHAPTER
<b>APRIL</b>	Mean,Median,Mode (stat)
<b>MAY</b>	Introduction of micro eco,introduction of stat.,index number(PT1)
<b>JUNE</b>	PROJECT WORK SUMMER VACATIONS
<b>JULY</b>	Theory of demand, elasticity of demand, consumer equilibrium.
<b>AUGUST</b>	Histogram, time series graph, forms of perfect competition REVISION OF HALF SYLLABUS
<b>SEPTEMBER</b>	REVISION TERM 1 EXAM
<b>OCTOBER</b>	Correlation, Collection of data, organization of data, presentation of data.
<b>NOVEMBER</b>	Production function, concept of cost, producer equilibrium.
<b>DECEMBER</b>	Theory of supply, concept of revenue ,Revisions
<b>JANUARY</b>	Revision and (PT2)
<b>FEBRUARY</b>	revision
<b>MARCH</b>	Final exam

**CLASS – 11<sup>th</sup>****Session – 2023-24****Subject - Chemistry**

<b>Unit</b>	<b>Title</b>	<b>Month</b>	<b>Number of days</b>
Unit 1 & 2	Some Basic Concepts of Chemistry + Structure of Atom+ REVISION TEST	April	20
Unit 3 & 4	Classification of Elements and Periodicity in Properties Chemical Bonding and Molecular Structure+ REVISION TEST	May	25
	HOLIDAYS	June	0
Unit 5&6	States of Matter: Gases and Liquids Chemical Thermodynamics+ REVISION TEST	July	24
Unit 7&8	Equilibrium + Redox Reactions+ REVISION TEST	Aug.	25
Unit 9	Hydrogen + REVISION+ 1 <sup>st</sup> Terminal Exam	Sep	14
Unit 10 & 11	s -Block Elements +p -Block Elements+ REVISION TEST	Oct	23
Unit 12 & 14	Organic Chemistry: Some basic Principles and Techniques + Environmental Chemistry+ REVISION TEST	Nov	21
Unit 13	Hydrocarbons+ REVISION TEST	Dec	24
	REVISION + FINAL PRACTICALS	Jan	24
	FINAL EXAMINATION	Feb	19

UNIT	Section 2023-24
UNIT I	<p><b>Some Basic Concepts of Chemistry</b>            General Introduction: Importance and scope of chemistry. Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules. Atomic and molecular masses, mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry.</p>
UNIT II	<p><b>Structure of Atom</b>            Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.</p>
UNIT III	<p><b>Classification of Elements and Periodicity in Properties</b>            Modern periodic law and the present form of periodic table, periodic trends in properties of elements - atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements with atomic number greater than 100</p>
UNIT IV	<p><b>Chemical Bonding and Molecular structure</b>            Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization, involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only), hydrogen bond.</p>
UNIT V	<p><b>States of Matter: Gases and Liquids.</b>            Three states of matter, intermolecular interactions, types of bonding, melting and boiling points, role of gas laws in elucidating the concept of the molecule, Boyle's law, Charles law, Gay Lussac's law, Avogadro's law, ideal behaviour, empirical derivation of gas equation, Avogadro's number, ideal gas equation. Deviation from ideal behaviour, liquefaction of gases, critical temperature, kinetic energy and molecular speeds (elementary idea) Liquid State: vapour pressure, viscosity and surface tension (qualitative idea only, no mathematical derivations)</p>
UNIT VI	<p><b>Chemical Thermodynamics</b>            Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions. First law of thermodynamics - internal energy and enthalpy, heat capacity and specific heat, measurement of <math>\Delta U</math> and <math>\Delta H</math>, Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution. Second law of Thermodynamics (brief introduction). Introduction of entropy as a state function, Gibb's energy change for spontaneous and non-spontaneous processes, criteria for equilibrium. Third law of thermodynamics (brief introduction).</p>
UNIT VII	<p><b>Equilibrium</b>            Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium - LeChatelier's principle, ionic equilibrium - ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, Henderson Equation, hydrolysis of salts (elementary idea), buffer solution, solubility product, common ion effect (with illustrative examples).</p>
UNIT VIII	<p><b>Redox Reactions</b>            Concept of oxidation and reduction, redox reactions, oxidation number, balancing</p>

	redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions.
<b>UNIT IX</b>	<b>Hydrogen</b> Position of hydrogen in periodic table, occurrence, isotopes, preparation, properties and uses of hydrogen, hydrides-ionic covalent and interstitial; physical and chemical properties of water, heavy water, hydrogen peroxide -preparation, reactions and structure and use; hydrogen as a fuel.
<b>UNIT X</b>	<b>s-Block Elements (Alkali and Alkaline Earth Metals)</b> Group 1 and Group 2 Elements General introduction, electronic configuration, occurrence, anomalous properties of the first element of each group, diagonal relationship, trends in the variation of properties (such as ionization enthalpy, atomic and ionic radii), trends in chemical reactivity with oxygen, water, hydrogen and halogens, uses. Preparation and Properties of Some Important Compounds: Sodium Carbonate, Sodium Chloride, Sodium Hydroxide and Sodium Hydrogencarbonate, Biological importance of Sodium and Potassium. Calcium Oxide and Calcium Carbonate and their industrial uses, biological importance of Magnesium and Calcium
<b>UNIT XI</b>	<b>p -Block Elements</b> General Introduction to p -Block Elements Group 13 Elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous properties of first element of the group, Boron - physical and chemical properties, some important compounds, Borax, Boric acid, Boron Hydrides, Aluminium: Reactions with acids and alkalis, uses. Group 14 Elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous behaviour of first elements. Carbon-catenation, allotropic forms, physical and chemical properties; uses of some important compounds: oxides. Important compounds of Silicon and a few uses: Silicon Tetrachloride, Silicones, Silicates and Zeolites, their uses.
<b>UNIT XII</b>	<b>Organic Chemistry - Some Basic Principles and Techniques</b> General introduction, methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions
<b>UNIT XIII</b>	<b>Hydrocarbons 12 Periods</b> Classification of Hydrocarbons Aliphatic Hydrocarbons: Alkanes - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis. Alkenes - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markownikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition. Alkynes - Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water. Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. Nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity.

<b>Unit XIV</b>	<b>Environmental Chemistry</b> Environmental pollution - air, water and soil pollution, chemical reactions in atmosphere, smog, major atmospheric pollutants, acid rain, ozone and its reactions, effects of depletion of ozone layer, greenhouse effect and global warming- pollution due to industrial wastes, green chemistry as an alternative tool for reducing pollution, strategies for control of environmental pollution.
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### PRACTICALS

Evaluation Scheme for Examination	Marks
Volumetric Analysis	08
Salt Analysis	08
Content Based Experiment	06
Project Work	04
Class record and viva	04
Total	30

#### PRACTICALS SYLLABUS

**Total Periods 60**

Micro-chemical methods are available for several of the practical experiments.

Wherever possible such techniques should be used:

#### 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.

#### C. Experiments based on pH

(a) 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.

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

#### D. Chemical Equilibrium

One of the following experiments:

- a) Study the shift in equilibrium between ferric ions and thiocyanate ions by increasing/decreasing the concentration of either of the ions.
- b) Study the shift in equilibrium between  $[\text{Co}(\text{H}_2\text{O})_6]^{2+}$  and chloride ions by changing the concentration of either of the ions.

#### E. Quantitative Estimation

- i) Using a chemical balance.
- ii) Preparation of standard solution of Oxalic acid.
- iii) Determination of strength of a given solution of Sodium Hydroxide by titrating it against standard solution of Oxalic acid.
- iv) Preparation of standard solution of Sodium Carbonate.
- v) Determination of strength of a given solution of Hydrochloric acid by titrating it against standard Sodium Carbonate solution.

#### F. Qualitative Analysis

(a) Determination of one anion and one cation in a given salt

Cations-  $\text{Pb}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Al}^{3+}$ ,  $\text{Fe}^{3+}$ ,  $\text{Mn}^{2+}$ ,  $\text{Ni}^{2+}$ ,  $\text{Zn}^{2+}$ ,  $\text{Co}^{2+}$ ,  $\text{Ca}^{2+}$ ,  $\text{Sr}^{2+}$ ,  $\text{Ba}^{2+}$ ,

$\text{Mg}^{2+}$ ,  $[\text{NH}_4]^+$

Anions –  $[\text{CO}_3]^{2-}$ ,  $\text{S}^{2-}$ ,  $[\text{SO}_3]^{2-}$ ,  $[\text{SO}_4]^{2-}$ ,  $[\text{NO}_3]^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $[\text{PO}_4]^{3-}$ ,  $[\text{C}_2\text{O}_4]^{2-}$ ,  $\text{CH}_3\text{COO}^-$

(Note: Insoluble salts excluded)

(b) Detection of -Nitrogen, Sulphur, Chlorine in organic compounds

<b>Months</b>	<b>Themes</b>
	<b>THEMES IN INDIAN HISTORY 1,2,3</b>
<b>April</b>	Ch- Bricks, Beads and Bones Ch -Kings, farmers and towns
<b>May</b>	Ch- Kinship caste and class Ch- Thinkers ,Belief and Buildings
<b>June</b>	Project File (Summer Break)
<b>July</b>	Ch- Through The eyes of Travellers
<b>August</b>	Ch- Bhakti- Sufi Traditions Ch- An imperial Capital - Vijaynagar
<b>September</b>	<b>Half yearly Exams (Syllabus April-August)</b>
<b>October</b>	Ch- Peasants, Zamindars and the state
<b>November</b>	Ch- Rebels and the Raj
<b>December</b>	Ch- Framing the Constitution
<b>January</b>	<b>Revision</b> Periodic test -2(syllabus upto December) Mid of January Practicals by internal Examiner
<b>February</b>	<b>Revision</b>
<b>March</b>	<b>Final Exams</b>
	Included related map work
	During 2 and 3 week class test 1 and 2 will be conducted
	Any change in syllabus is liable according to CBSE guidelines

Months	Themes
April	Ch- Challenges Of Nation building Ch- The End Of Bipolarity
May	Ch. Era of one party Dominance Ch- Planned Development Ch- New center of power 1 <sup>st</sup> periodic test (syllabus of April and May)
June	<b>Summer break (project file)</b>
July	Ch- India's Foreign Policy Ch- Contemporary South Asia
August	Ch- Parties and Party system Ch- United Nations and its organization
September	<b>Half yearly exam (syllabus of April to August)</b>
October	Ch- Democratic resurgence Ch – Security in contemporary world
November	Ch- environment and natural resources Ch – Regional aspirations
December	Ch – Globalization Ch- Indian politics – recent trends and development
January	Revision ( 2 <sup>nd</sup> periodic test syllabus up to December) (Mid of January Practical's by internal Examiner)
February	<b>Revision</b>
March	<b>Annual exams</b>
	Included Map Work with the related chapters
	During 2 <sup>nd</sup> and 3 <sup>rd</sup> week class test 1 and 2 will be conducted
	Any change In syllabus Is liable as per CBSE Guidelines

**Class 11th****Subject : Physical Education**

<b>Month</b>	<b>Chapter No</b>	<b>Chapter Name</b>
<b>May</b>	1	Changing Trends & Career In Physical Education
<b>June/July</b>	1, 2	Changing Trends & Career In Physical Education, Olympic Value Education
<b>August</b>	3, 4	Physical Fitness, Wellness & Life Style, Physical Education & Sports For CWSN (Children With Special Needs & Divyang)
<b>September</b>	5	Yoga
<b>October</b>	6, 7	Physical Activity & Leadership Training, Test, Measurement & Evaluation
<b>November</b>	8	Fundamentals Of Anatomy, Physiology & Kinesiology In Sports
<b>December</b>	9	Psychology & Sports
<b>January</b>	10	Training and Doping in Sports
<b>February</b>	<b>Revision</b>	
<b>March</b>	<b>Final Exam</b>	
<b>PT 1</b>	Chapter No. 1	
<b>Half Yearly</b>	Chapter No. 2,3,4,5	
<b>PT 2</b>	Chapter No. 6,7,8	

Month	Chapter No	Chapter Name
April		
May	1	Work livelihood and career
June/July	1	Work livelihood and career
August	2	Clinical nutrition and Dietetics
September	3	Public Nutrition and Health,
October	4	Catering and food service management
November	5, 6	Food processing and Technology
December	7	Early Childhood Care And Education
January	8, 9	Special Education & Support Services, Management Of Support Services Institution & Programs For Children Youth & Elderly
February	<b>Revision</b>	
March	<b>Final Exam</b>	
PT 1	Chapter No. 1	
Half Yearly	Chapter No. 2, 3	
PT 2	Chapter No. 4, 5	