



ST. THOMAS SCHOOL

Hardag, Ranchi -835221

SYLLABUS

Session : 2026 -27

Class - X

Name :

Sec. : Roll No. :



ENGLISH LANGUAGE

PRESCRIBED BOOK - TOTAL ENGLISH- ICSE 10 [Xavier Pinto]

FIRST TERM

TEST PAPER - 2 to 5

Test Paper 2 - Grammar + Essay + Notice & Email
Test Paper 3 - Grammar + Letters(2)
Test Paper 4 - Grammar + Comprehension passage
Test Paper 5 - Grammar + Notice & Email
Aural passage : 1,2 & 3

SECOND TERM

TEST PAPER 6 to 10

Test Paper 6 - Grammar + Essay
Test Paper 7 - Grammar + Letters (2)
Test Paper 8- Grammar + Notice & Email
Test Paper 9 - Grammar + Comprehension passage
Test Paper 10 - Grammar +Essay + Notice & Email
Aural Passage - 4,5& 6

THIRD TERM

TEST PAPER 11 to 15

Test Paper 11 - Grammar + Essay
Test Paper 12 - Grammar + Letters (2)
Test Paper 13 - Grammar +Notice & Email
Test Paper 14 - Grammar + Comprehension Passage
Test Paper 15 - Grammar + Essay + Notice & Email
Aural Passage - 7,8

ENGLISH LITERATURE

Prescribed books:

- 1) Julius Caesar - William Shakespeare (Selina publication)
- 2) A Collection of ICSE Poems & Short Stories (Evergreen Publication)

First Term

	Chapter Number	Chapter Name
PROSE :	Chapter 11	With the Photographer (Stephen Leacock)
	Chapter 12	The Elevator (William Sleator)
POETRY:	Chapter 11	Haunted Houses (H.W.Longfellow)
	Chapter 12	The glove and the lions (Leigh Hunt)
DRAMA:		Julius Caesar - Act III Scene 1,2,3

Second Term

	Chapter Number	Chapter Name
PROSE :	Chapter 13	The Girl Who Can (Ama Ata Aidoo)
	Chapter 14	The Pedestrian (Ray Bradbury)
POETRY:	Chapter 13	When Great Trees Fall (Maya Angelou)
	Chapter 14	A Considerable Speck (Robert Frost)
DRAMA:		Julius Caesar - Act IV Scene 1,2,3

Third Term

	Chapter Number	Chapter Name
PROSE:	Chapter 15	The Last Lesson (Alphonse Daudet)
POETRY:	Chapter 15	The Power of Music (Sukumar Ray)
DRAMA:		Julius Caesar - Act V Scene 1,2,3,4,5

*Note- Extract questions, MCQ, H.O.T. Questions & Competency Based Questions (all the three terms)

विषय-हिंदी

पाठ्यपुस्तककानामः सरस हिंदीव्याकरण/ साहित्य सागर कहानियाँ / साहित्यसागर पधभाग

1st TERM

हिंदी व्याकरण

पाठ नंबर	पाठ का नाम	विषय वस्तु
1.	व्याकरण	वर्णविचार, शब्दविचार, वाक्यविचार (व्याख्या और अभ्यास कार्य)
2.	संज्ञा	संज्ञा के भेद, संज्ञाओं का रूप परिवर्तन (व्याख्या और अभ्यास कार्य)
3.	लिंग, वचन	लिंग के भेद, वचन के भेद (व्याख्या और अभ्यास कार्य)
4.	कारक	कारक के भेद (व्याख्या और अभ्यास कार्य)
5.	पर्यायवाची शब्द	अंक-किनारा
6.	विलोम शब्द	अधम-उत्तम से देव-दानव तक

7.	अनेकार्थी शब्द	1अम्बर से 23 कुल तक
8.	एकार्थक प्रतीत होने वाले शब्द	1 से 13
9.	अनेक शब्दों के लिए एक शब्द	1 से 40
10.	मुहावरे	1 से 35
11.	लोकोक्ति	1 से 23
12.	प्रस्ताव निबंध लेखन चित्र पर आधारित मौलिक कहानीअपठित गद्यांश व्यावहारिक व्याकरण	

पाठ 1. बात अठन्नी की

पाठ 2. काकी

पाठ 1.साखी

पाठ 2.गिरिधर कीकुंडलियाँ

हिंदी साहित्य(गद्य एवं पद्य भाग)

पाठनंबर.	पाठकानाम	विषयवस्तु
पाठ-1	संदेह (जयशंकर प्रसाद)	वाचन,व्याख्या,अभ्यास
पाठ-2	भीड़ में खोया आदमी (लीलाधर शर्मा पर्वतीय)	वाचन,व्याख्या,अभ्यास
पाठ-3	विनय के पद(तुलसीदास)	वाचन,व्याख्या,अभ्यास
पाठ-4	भिक्षुक (सूर्यकांत त्रिपाठी निराला)	वाचन, व्याख्या तथा अभ्यास

2nd Term

हिंदी व्याकरण

पाठ नंबर	पाठ का नाम	विषय वस्तु
पाठ-1	सर्वनाम	सर्वनाम के भेद (व्याख्या और अभ्यास कार्य)
पाठ-2	विशेषण	विशेषण के भेद व्याख्या और अभ्यास कार्य)

पाठ-3	क्रिया	क्रिया के भेद (व्याख्या और अभ्यास कार्य)
पाठ 4	क्रिया विशेषण	क्रिया विशेषण के भेद (व्याख्या और अभ्यास कार्य)
पाठ-5	पर्यायवाची शब्द	किरण-प्रेम
पाठ-6	विलोम शब्द	धनी-निर्धन स जलनिर्जल
पाठ 7	अनेकार्थी शब्द	24-46
पाठ 8	एकार्थक प्रतीत होने वाले शब्द	14-28

पाठ 9	अनेक शब्दों के लिए एक शब्द	41-80
पाठ 10	प्रस्ताव, निबंध लेखन, चित्र लेखन पत्र लेखन, अपठितगद्यांश	
पाठ 11	वाच्य परिवर्तन	
पाठ 12	काल	
पाठ 13	वाक्य के अंग व संरचना	
पाठ 14	वाक्य रूपांतरण	
पाठ 15	विराम चिन्ह	

हिंदी साहित्य(गद्य एवं पद्य भाग)

पाठ नंबर	पाठ का नाम	विषय वस्तु
पाठ 5	भेड़ और भेड़िए (हरिशंकर परसाई)	वाचन व्याख्या अभ्यास
पाठ 6	दो कलाकार (मन्नु भंडारी)	वाचन व्याख्या अभ्यास
पाठ 7	चलना हमारा काम है (शिवमंगल सिंह सुमन)	वाचन व्याख्या अभ्यास
पाठ 8	मातृमंदिर की ओर (सुभद्रा कुमारी चौहान)	वचन व्याख्या अभ्यास

पाठ 3. महायज्ञ का पुरस्कार

पाठ 4. नेताजी का चश्मा

पाठ 3. स्वर्ग बना सकते हैं

पाठ 4. यह जन्मभूमि मेरी

3rd Term

पुनरावृत्ति

Subject: PHYSICS

Name of the book : Concise Physics

1st Term

Chapter No.	Chapter Name	Content
1	*Force	Turning force concept, moment of a force, force in equilibrium, centre of gravity, Uniform circular motion.
2	*Work, Energy and Power	Work, Measurement of work, Condition for work done to be zero, Potential energy, Power, Different forms of energy, Work energy theorem, Relation between kinetic energy and momentum, Conservation of energy
7	*Sound	Sound wave, Reflection of sound wave, Echo, Natural and Damped vibrations, Forced vibration, Resonance, characteristic of sound

*Chapters taught in class IX

Chapter No.	Chapter Name	Content
3	Machines	Machine, Technical terms, Principle of machine, Relationship between Mechanical advantage and efficiency, Kinds of lever, Pulley, Single fixed pulley, Single movable pulley, Combinations of pulley, Block and tackle systems
4	Refraction of light at plane surface	Refraction of light, Laws of refraction, Refractive Index, Relationship between wavelength in two medium, Reflection through glass block, Multiple images in thick Plain glass plate, Refraction through glass prism, Real and apparent depths, Critical angle and total internal refraction, TIR in prism.
5	Refraction through a lens	Kinds of lenses, Action of a lens as a set of prisms, Formation of image by a lens, Characteristics and location of image Formed by lenses, Sign convention and lens formula, Magnification, Power of lens. Applications of lenses.
6	Spectrum	Deviation produced by rectangular glass prism, Dispersion of light, Electromagnetism spectrum, Properties of EM radiation, scattering of light and its application.

2nd Term

Chapter No.	Chapter Name	Content
8	Current and electricity	Charge, Current, Potential and potential difference, resistance, Ohm's law, Specific resistance, Conductivity, E M F and terminal voltage, Series and parallel connection, Electrical energy and power.
9	Household circuit	Transmission of power and house wiring, Power distribution to house, Essential components, Current rating of fuse, Staircase wiring, Earthing, 3 Pin plug, High Tension wire.
10	Electro-magnetism	Oersted's experiment, Magnetic field and magnetic fields line, Right hand thumb rule. Fleming's left hand rule, Force of current in current carrying conductor in magnetic field, DC motor, Electromagnetic induction, Faraday Laws of Electromagnetism, AC generator, Transformer
11	Calorimetry	Heat, Temperature, Specific heat capacity, Calorimeter, Natural phenomena and Consequences of specific heat of water, Change. Of state and latent heat, Specific latent heat of fusion of ice,

3rd Term

Chapter No.	Chapter Name	content
12	Radioactivity	Structure of atom and nucleus, Isotope, isobar, Radioactivity, Properties of alpha, beta, gamma radiation, Nuclear fusion and fusion,

Subject : Chemistry

Name of the book: Concise Chemistry

1st Term

Chapter No.	Chapter Name	Content
1	* Periodic Table	<ul style="list-style-type: none">• Salient features of the modern periodic table.• Periodic properties and their variations in groups and periods.<ul style="list-style-type: none">➤ Atomic size➤ Metallic character➤ Non-metallic character➤ Ionization energy➤ Electron affinity➤ Electronegativity• Periodicity on the basis of atomic number for elements.• (Special reference to the alkali metals, alkaline earth metals, halogens and inert gases).

2	* Chemical Bonding	<ul style="list-style-type: none"> • Electrovalent bond and electron dot structure of electrovalent compounds • Covalent bond and electron dot structure of covalent molecules • Coordinate bond <ul style="list-style-type: none"> ➤ Formation of hydronium ion and hydroxyl ion. ➤ Formation of Ammonium ion
3	Acids, Bases, and Salts	<ul style="list-style-type: none"> • Simple definition in terms of molecules and their characteristics properties. • Ions present in mineral acids, alkalis & salts and their solutions, use of common acid base indicator (Litmus, Methyl orange & Phenolphthalein and PH paper to test for acidity and alkalinity). • Definition of salt; Types of salts. • Action of dilute acid on salts. • Methods of preparation of normal salts with relevant equations.
4	Analytical Chemistry	<ul style="list-style-type: none"> • Action of sodium hydroxide solution on certain metallic salt solutions • Action of ammonium hydroxide on certain salt solutions • Action of alkalis on certain metals • Action of alkalis on metal oxides and hydroxides.
7	Metallurgy	<ul style="list-style-type: none"> • Occurrence of metals in nature • Stages involved in the extraction of metals • Extraction of aluminum <ul style="list-style-type: none"> ➤ Bayer's process. ➤ Hall Heroult's process • Alloy and amalgam-Composition and uses. <ul style="list-style-type: none"> ➤ Stainless steel ➤ Duralumin ➤ Magnalium ➤ Brass ➤ Bronze ➤ Fuse metal/solder.

***Chapters taught in class IX**

2nd Term

Chapter No.	Chapter Name	Content
5	Mole Concept	<ul style="list-style-type: none"> • Gay-Lussac's law of combining volumes; Avogadro's law. • Refer to the atomicity of H, O, N, & Cl. • Vapour density and its relation to RMM. • Mole and its relation to mass. • Simple calculations based on chemical equations.
6	Electrolysis	<ul style="list-style-type: none"> • Electrolytes and non-electrolytes • Substances containing molecules only, ions only, both

		<p>molecules and ions</p> <ul style="list-style-type: none"> • Definition and explanation of electrolysis, electrolyte, electrode, anode, cathode, anion, cation, oxidation & reduction • An elementary study of the migration of ions, with reference to the factors with examples influencing selective discharge of ions • Application of electrolysis <ul style="list-style-type: none"> ➤ Electroplating with nickel and silver ➤ Electrorefining of copper
8	Hydrogen Chloride	<ul style="list-style-type: none"> • Hydrogen chloride: Preparation of hydrogen chloride from NaCl, refer to the density and solubility of HCl (fountain experiment); reaction with Ammonia; acidic properties of its solution.
9	Ammonia	<ul style="list-style-type: none"> • Ammonia: its laboratory preparation from ammonium chloride and collection; ammonia from nitrides and ammonium salts. • Manufacture by Haber's process; density and solubility of ammonia (fountain experiment); aqueous solution of ammonia; its reaction with HCl and with hot copper (II) oxide, lead (IV) Oxide & chloride; the burning of ammonia in oxygen; uses of ammonia.
10	Nitric Acid	<ul style="list-style-type: none"> • Nitric acid: one lab method of preparation of nitric acid from potassium or sodium nitrate. • Large scale preparation. • Nitric acid as an oxidizing agent.
11	Sulfuric acid	<ul style="list-style-type: none"> • Large scale preparation, its behaviour as an acid when dilute, as an oxidizing agent when concentrated -oxidation of carbon and Sulphur; as a dehydrating agent- dehydration of sugar and copper (II) sulphate crystals; its non- volatile nature.

3rd Term

Chapter No.	Chapter Name	Content
12	Organic chemistry and (overall revision)	<ul style="list-style-type: none"> • Introduction to organic compounds • Structure and isomerism • Homologous series-characteristics with examples • Simple nomenclatures • Hydrocarbons: Alkanes, Alkenes & Alkynes • Alcohols: Ethanol-Preparation, properties & uses. • Carboxylic acid: Acetic acid- properties and its uses.

Subject: Biology

Name of the book: **Concise Biology – 10 (Selina Publication)**

FIRST TERM

Chapter No.	Chapter Name	Content
2	Structure of Chromosomes, Cell-Cycle and Cell Division	<ul style="list-style-type: none">• Structure of Chromosomes• Cell Cycle• Cell Division: Mitosis and its Stages• A Basic Understanding of Meiosis• Homologous Chromosomes• Crossing Over• Significance and Differences between Mitosis and Meiosis
3	Genetics- Some basic fundamentals	<ul style="list-style-type: none">• The three Laws of Mendel• Monohybrid Cross• Dihybrid Cross• Gene, Allele, Heterozygous, homozygous, Mutation, variation, Dominant and recessive ,Phenotype, Genotype• Sex Determination in Human beings• Sex- Linked inheritance of diseases
8	The Circulatory System	<ul style="list-style-type: none">• Composition of Blood• Lymph• Increase in efficiency of mammalian red blood cells due to absence of certain organelles ,reasons for the same• Blood Coagulation• Structure and working of Heart• Concept of systole and diastole• Pulse and blood pressure• Double Circulation• Blood vessels• ABO Blood Group System• Lymphatic Organs: Spleen and tonsils• Significance of Hepatic portal system
9	The Excretory System	<ul style="list-style-type: none">• Excretory Organs• External and Internal Structure of the Kidney• Parts of Urinary System along with the blood vessels entering and leaving the kidney• Functions of various parts of the urinary system• Ultra-filtration, Selective Reabsorption and tubular secretion

*** Chapters taught in std 9 from 10th book**

* Ch- 4	Absorption
* Ch-5	Transpiration
* Ch-6	Photosynthesis

* Ch-7	Chemical Coordination in Plants
* Ch-14	Human Evolution
* Ch-16	Pollution

SECOND TERM

Chapter No.	Chapter Name	Content
10	Nervous System	<ul style="list-style-type: none"> • Parts of a Neuron • External structure of brain and its Primary parts : Medulla Oblongata ,Cerebrum Cerebellum ,Thalamus, Hypothalamus and Pons, their functions • White and Gray matter in Brain and Spinal Cord • Voluntary and Involuntary Actions • Peripheral and Autonomic Nervous System • Diagrammatic representation of Reflex Arc, showing the pathway from receptor to effector • Differences between Neural and Acquired reflex
11	Sense Organs	<ul style="list-style-type: none"> • External and Internal Structure and functions of the Human Eye and Ear • Stereoscopic Vision, Adaptation and Accommodation of Eyes • Defects of Eye (Myopia , Hyperopia, Hypermetropia Presbyopia, Astigmatism and Cataract) and corrective measures (diagrams included for myopia and Hyperopia only) • Perception of Sound in Human Ear • Role of Ear in maintaining balance of the body
12	The Endocrine System	<ul style="list-style-type: none"> • Differences between Endocrine and Exocrine Glands • Exact location and shape of the endocrine glands in the human body • Hormones secreted by different Glands: Pancreas: insulin and glucagon , Thyroid gland :Thyroxin , Adrenal gland: Cortical hormones and adrenaline, Pituitary gland: Growth hormone, tropic hormones, ADH and oxytocin • Effects of Hypo-secretion and Hyper-Secretion of Hormones • Feedback Mechanism with reference to TSH
15	Population - The Increasing Numbers and Rising Problems	<ul style="list-style-type: none"> • Reasons for the sharp rise in Human population In India • Demography, population Density, Birth rate, Death

		<p>rate and Growth rate of population</p> <ul style="list-style-type: none"> • Problems faced due to Population Explosion • Methods of Population Control
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THIRD TERM

Chapter No.	Chapter Name	Content
13	The Reproductive System Ch-1 to 16 (Revision)	<ul style="list-style-type: none"> • Functions of Male and Female Reproductive Organs and Male Accessory Glands • Structure and functions of various parts of the Sperms and Egg • Fertilization, Implantation, Placenta, gestation and parturition • Role of placenta in nutrition, respiration and excretion of the embryo, its endocrinal function. • Functions of Foetal Membranes and Amniotic Fluid • Menstrual Cycle • Role of Sex Hormones : Testosterone, Oestrogen and Progesterone in reproduction • Identical and fraternal twins

Subject: History & Civics

Name of the book : Total History & Civics (Morning Star)

1st Term

Chapter No.	Chapter Name	Content
Ch-3	(CIVICS) Prime Minister & Council of Ministers	Appointment, Formation of Council of Ministers, tenure, functions , Position & Powers , Collective & Individual responsibility, Distinction between Council of Ministers & Cabinet
Ch-3	(HISTORY) First phase of the Indian National Movement	Objectives and methods of struggle of the early nationalist , contribution of any two Dadabhai Naoroji , Surendranath Banerjee ,Gopal Krishna Gokhale
Ch-4	Second phase of the Indian National Movement	Causes of the partition of Bengal and its perspective by the Nationalist , Surat splits of 1907, objective and methods of struggle of the Assertive Nationalists , any two contribution of Bal Gangadhar Tilak ,Bipin Chandra pal , Lala Lajpat Rai.
Ch-5	The Muslim League	Causes , objectives & significance of Lucknow pact 1916.
Ch-12	The Second World War	Causes , attack on pearl harbour and bombing of Hiroshima Nagasaki & Consequences.

Ch-13	United Nations	Objectives of the UN , the composition and functions of the General Assembly, Security Council & International Court of Justice.
	(CIVICS)	
* Ch-1 (From Std 10 book)	Meaning of the federal set up in India. (i) Lok Sabha (ii) Rajya Sabha	Term, composition, qualifications for membership. Parliamentary procedures: a brief idea of sessions, quorum, question hour, types of questions-meaning of starred, unstarred and short notice questions, zero hour, adjournment and no-confidence motion. Anti-Defection Law provisions, Passing of Ordinary and Money Bills. composition, qualifications for membership, election, term, Presiding Officer. Powers and functions of Union Parliament (legislative, financial, judicial, electoral, amendment of the Constitution, control over executive). Exclusive powers of the two Houses.
* Ch-2 (From Std 10 book)	(a) President (b) Vice-President	Qualifications for election, composition of Electoral College, reason for indirect election, term of office, procedure for impeachment. Powers (executive, legislative, financial, judicial, discretionary and emergency)- any two effects of each emergency). Qualifications for election, removal, term of office and powers.
	(HISTORY)	
* Ch-1 (From Std 10 book)	The First War of Independence, 1857	Only the causes (political, socio-religious, economic and military) and consequences (Only changes in the administration, Queen Victoria's Proclamation, Relation with Princely states and Changes in the Army) will be tested. [The events, however, need to be mentioned in order to maintain continuity and for a more comprehensive understanding.]
* Ch-2 (From Std 10 book)	Growth of Nationalism	Factors leading to the growth of Nationalism– economic exploitation, repressive colonial policies, socio-religious reform movements (any two contributions of Raja Rammohan Roy, Jyotiba Phule, Swami Dayananda Saraswathi and Swami Vivekananda) and role of the Press. Foundation of the Indian National Congress - The year of formation and name of the Founder Immediate objectives of the Indian National Congress - the first two sessions and their Presidents should be mentioned
* Ch-10 (From Std 10 book)	The First World War	Causes (Nationalism and Imperialism, Armament Race, division of Europe and Sarajevo crisis) and Results (Treaty of Versailles, formation of League of Nations, Objectives of the League of Nations).
* Ch-11 (From Std 10 book)	The Rise of Dictatorship	Causes for the rise of Fascism in Italy and the rise of Nazism in Germany. Similarity between the ideologies of Fascism and Nazism.

***Chapters taught in class IX**

2nd Term

Chapter No.	Chapter Name	Content
Ch-4	(CIVICS) The Supreme Court	Composition , qualification of Judges , independence of Judiciary, Jurisdiction & Functions, Enforcement of Fundamental Rights & Writs.
Ch-5	The High Courts and Subordinate Courts	Composition , qualification of Judges, appointment, Jurisdiction & Functions , enforcement of Fundamental Rights & Writs .
Ch-6	(HISTORY) Mahatma Gandhi and The National Movement	Non – Cooperation : Causes , Suspension & Programme, Chauri Chaura incident & its Impacts ,the Civil Disobedience Movement: Causes , Dandi March : Programme & its Impacts, Gandhi-Irwin Pact & 2 nd Round Table Conference.
Ch-7	Quit India Movement	Causes & its significance , Quit India Resolution,
Ch-8	Forward Bloc and the INA	Objectives , contribution & objectives of Subhash Chandra Bose
Ch-9	Independence and Partition of India	Cabinet Mission Plan(clauses & it's acceptance) , The Indian Independence Act of 1947 (clauses)
Ch-14	Major agencies of the United Nations	UNICEF , WHO , UNESCO (Functions)

3rd Term

Chapter No.	Chapter Name	Content
Ch-1	(CIVICS) The union Parliament	Lok Sabha: term, composition, qualification Parliamentary procedures: Sessions, quorum, question hour, adjournment & no-confidence motion .Rajya Sabha: composition Qualification, election ,term, presiding officer . Powers & functions of Union Parliament , Exclusive powers of the two Houses.
Ch-2	The President and the vice-President	President : qualification, composition of Electoral college , reasons for indirect election, term , procedure for impeachment ,Powers Vice- President : qualification, term ,powers
Ch-1	(HISTORY) The First War of Independence, 1857	Causes & Significance,(events)
Ch-2	Growth of Nationalism	Factors , contribution of Raja Ram Mohan Roy , Jyotiba Phule & role of Press , foundation of the Indian National Congress , Precursors of INC , INC's immediate objectives & First two Sessions and their Presidents.
Ch-10	The First World War	Causes & its Result

Ch -11	Rise of Dictatorship	Causes for the rise of Parsi in Italy and rise of Nazism in Germany, comparative study of musolini's passed and Hitler's Nazi ideologies
Ch-15	Non-Aligned Movement	Meaning, objectives, Panchsheel: role of Jawaharlal Nehru , names of the architects of NAM

Subject: Geography

Name of the book: Discovering the World- 10

1st Term

Serial no.	Chapter No.	Chapter Name	Content
1.	7	Climate	Climate of India, cycle of seasons, Distribution of Rainfall
2.	8	Soil Resources	Importance of Soil, Soil resources of India, Soil Erosion and conservation
3.	9	Natural vegetation	Introduction and it's importance, Type of Natural vegetation in India, forest conservation
4.	10	Water resources	Water Resources of India, Irrigation, Need for irrigation, wells, canals, Rain water harvesting
6.	Topographical Map (Chapter 1 to 5)		Colours, Scales and Types of Scale Four figure and Six figure grid reference. Contour, Contour features, Slopes Natural and Man made features, Drainage pattern
7.	Map of India (Chapter 6)		Mountains, Plateaus, Peaks, Soil Distribution, Deserts and plains, Water bodies

2nd Term

Serial no.	Chapter No.	Chapter Name	Content
1.	11	Minerals and Energy Resources	Minerals of India, manganese, Copper, Iron, Bauxite, Conservation, Natural gas, Hydel power, non-conventional energy sources
2.	12	Agriculture I and II	Food crop and Cash crop Importance of agriculture, types of agriculture, problems of agriculture, crops of India, cash crops of India
3.	13	Manufacturing Industries (Agro and Mineral based)	Classification of industries, textile industries, silk industry, man-made fibers, sugar , iron and steel, petrochemicals, electronics industry.
4.	Topographical maps (Chapter 1 to 5)		Measuring Distances and Calculating areas, Direction between two points

		Settlement pattern, Heights and Depths
5.	Map of India (Chapter 6)	Rivers, Passes, Latitude and Longitude, Distribution of Minerals, Direction of Wind, Cities, Population

3rd Term

Serial no.	Chapter No.	Chapter Name	Content
1.	15	Transport	Importance of means of transport, roadways, railways, waterways, sea ports, airways
2.	14	Waste Management	Classification of waste management, methods of safe disposal waste, 3R's of waste management
3.	Topographical Map (Chapter 1 to 5)		Revision work
4.	Map of India (Chapter 6)		Revision work

Subject : Mathematics

Name of the book : I.C.S.E. CONCISE MATHEMATICS

1st Terminal

Chapter No.	Chapter Name
CH. 4*	LINEAR - INEQUATIONS IN ONE VARIABLE
CH. 5*	QUADRATIC EQUATIONS
CH. 7*	RATIO AND PROPORTIONS
CH. 8*	REMAINDER AND FACTOR THEOREMS
CH. 12*	REFLECTION
CH. 13*	SECTION AND MID-POINT FORMULA
CH. 14*	EQUATION OF A LINE
CH. 1	GST
CH. 2	BANKING
CH. 6	PROBLEM BASED ON QUADRATIC EQUATIONS
CH. 10	ARITHMETIC PROGRESSIONS
CH. 11	GEOMETRIC PROGRESSIONS
CH. 15	SIMILARITY (WITH APPLICATIONS TO MAPS AND MODELS)
CH. 20	CYLINDER, CONE AND SPHERE (SURFACE AREA AND VOLUME)

* CHAPTERS COMPLETED IN STD IX

2nd Term

Chapter No.	Chapter Name
CH. 3	SHARES AND DIVIDENDS
CH. 9	MATRICES
CH. 17	CIRCLES
CH. 18	TANGENTS AND INTERSECTING CHORDS
CH. 23	GRAPHICAL REPRESENTATION
CH. 24	MEASURES OF CENTRAL TENDENCY

3rd Term

Chapter No.	Chapter Name
CH. 16	LOCI
CH. 19	CONSTRUCTIONS
CH. 21	TRIGONOMETRICAL IDENTITIES
CH. 22	HEIGHTS AND DISTANCES
CH. 25	PROBABILITY

Subject: Computer Applications

Name of the book : Guided Computer Applications Text-book (I.C.S.E. X)

1st Term

Chapter No.	Chapter Name	Content
5	Library Classes	Introduction to wrapper classes, methods of wrapper class and their usage with respect to numeric and character data types. Autoboxing and Unboxing, <i>primitive data type and composite data type</i> , methods : <i>int parseInt(String s), long parseLong(String s), float parseFloat(String s), double parseDouble(String s), boolean isDigit(char ch), boolean isLetter(char ch), boolean isLetterOrDigit(char ch), boolean isLowerCase(char ch), boolean isUpperCase(char ch), boolean isWhitespace(char ch), char toLowerCase (char ch) char toUpperCase(char ch)</i>

8	String handling	String class, methods of String class, implementation of String class methods, String array, <i>String class methods :</i> <i>String trim(),String toLowerCase(), String toUpperCase() ,int length(), char charAt (int n), int indexOf(char ch), int lastIndexOf(char ch),String concat(String str),boolean equals (String str), boolean equalsIgnoreCase(String str), int compareTo(String str),int compareToIgnoreCase(String str),String replace (char oldChar,char newChar),String substring (int beginIndex),String substring (int beginIndex, int endIndex),boolean startsWith(String str),boolean endsWith(String str),String valueOf(all types)</i>
1	* Revision of Class IX Syllabus	Introduction to Object Oriented Programming concepts, Elementary Concept of Objects and Classes, Values and Data types, Operators in Java, Input in Java, Mathematical Library Methods, Conditional constructs in Java, Iterative constructs in Java, Nested for loops.

2nd Term

Chapter No.	Chapter Name	Content
7	Arrays	Definition of an array, types of arrays, declaration, initialization and accepting data of single and double dimensional arrays, accessing the elements of single dimensional and double dimensional arrays. <i>Sorting techniques -selection sort and bubble sort ; Search techniques – linear search and binary search, (sorting and searching techniques using single dimensional array only), array as composite type, find size of an array, sum of the elements in row, column and diagonal elements [right and left], display the elements of two-dimensional array in a matrix format.</i>

6	Encapsulation	<p><i>Access specifiers – private, protected and public.</i></p> <p><i>Visibility rules for private, protected and public access specifiers.</i></p> <p><i>Scope of variables, class variables, instance variables, argument variables, local variables</i></p>
3	* User-Defined Methods	<p>Need of methods , syntax & forms of methods, method definition, method calling, <i>call/pass by value [with programs] and call/pass by reference [only definition with an example]</i>, Object creation, Actual parameters and formal parameters, Declaration of methods - static and non-static, method prototype / signature, Pure and impure methods, returning values from methods, method overloading.</p>

3rd Term

4	* Constructors	<p>Definition of Constructor, characteristics, types of constructors (<i>Default constructor, parameterized constructor</i>), use of constructors, constructor overloading , <i>Difference between constructor and method.</i></p>
2	* Class as the Basis of all Computation	<p>Objects and Classes ,<i>member variables; attributes ,member methods; Classes as abstractions for sets of objects; class as an object factory; primitive data types, composite data types. Variable declarations for both types; difference between the two types. Objects as instances of a class, creating object from a java class</i></p>

Miscellaneous JAVA Programs & Output Questions

Revision of 1st Term & 2nd Term
***Chapters taught in class IX**

Subject : Economic Applications

Name of the book : Std10 I.C.S.E Economic Applications(J.P.Goel and Kushal Goel)

1st Term

Chapter No.	Chapter Name	Content
7	Meaning and Functions of Money	Introduction, Definitions, Forms of money, Features and Functions
10	Inflation	Meaning, Rate of Inflation ,Types of Inflation, Effects of Inflation
**1	Elementary Theory of Demand	Meaning, Types, Demand schedule, Determinants, Law of demand, Changes in demand
**2	Elasticity of Demand	Meaning, Degrees of price elasticity of demand, Factors affecting price elasticity of demand
**3	Theory of Supply	Meaning, Difference between supply and stock, Types, Factors affecting supply, Supply schedule, Law of supply, Changes in quantity supplied, Change in supply

2nd Term

Chapter No.	Chapter Name	Content
8	Commercial Banks	Meaning, Importance, Functions
9	Central Banks	Meaning, Need for Central Bank, Functions, Monetary Policy of the Central Bank, Public Debt, Public Expenditure, Public Finance, Demonetisation
**4	Factors of Production	Meaning, Creation of Utility, Factors of Production- Classification, Land- Meaning, Characteristics, Functions, Productivity of Land, Destruction of ecosystem, Labour- Meaning, Classification, Characteristics, Difference, Efficiency of labour, Division of Labour, Capital- Meaning, Differences, Characteristics, Types, Importance, Capital Formation, Enterprise- Meaning, Characteristics, Differences and Functions
**5	Nature and Structure of Markets	Markets, Types, Perfect Competition- Meaning & Characteristics, Monopoly- Meaning, Characteristics and Demand Curve, Monopolistic Competition- Meaning, Characteristics and Demand Curve, Oligopoly- Meaning, Types and Features, Monopsony- Meaning & Features

3rd Term

Chapter No.	Chapter Name	Content
6	The State and Economic Development	Introduction, Private & Public sectors, Role of State, Instruments, Public Enterprises, The issue of privatisation of public enterprises, Privatisation in India
	Overall Syllabus	