

HINDI - 10

SR. No.	Month	Topic	Concept	Activity
१.	अप्रैल	संदेह सूखी डाली (पुनरावर्तन) मुहावरे	गलतफहमियों के कारण जीवन पर होते असर के बारे में बताया जाएगा। अभिनय द्वारा मुहावरो का अभ्यास	कहानी लेखन मुहावरो का अभिनय
	जुन	विनय के पद सूर के पद का (पुनरावर्तन)	श्री राम की उदारता का वर्णन पदों के माध्यम से कराया जाएगा।	पदों का सस्वर गायन
	जुलाई	जामुन का पेड़ पत्र - निबंध	सरकारी अधिकारी की कर्तव्यों के प्रति उदासीनता तथा उसके बुरे परिणामों के बारे में समझाना।	पात्रों का अभिनय
	अगस्त	महाभारत की एक सांझ भाववाचक संज्ञा	कौरवों और पांडवों का इतिहास छात्रों के समक्ष प्रस्तुत होगा। भाववाचक संज्ञा का अभ्यास	पात्रों का अभिनय शब्दों की सूची
	सितंबर	भेड़ और भेड़िए	प्रजातंत्र के नाम पर स्वार्थी होंगी तथा चालाक राजनेता सीधी जनता का किस प्रकार शोषण करते हैं, स्पष्ट किया जाएगा।	वाद विवाद
	अक्तूबर	निबंध, पत्र	पत्र का प्रारूप	अभ्यास लेखन कार्य
	नवंबर	भिक्षुक (कविता) चलना हमारा काम है। (पद्य)	भिक्षुक की दयनीय स्थिति का मार्मिक चित्र प्रस्तुत होगा। संघर्ष के लिए प्रेरित करना। जीवन चलने का नाम है, रुकना नहीं हमारा काम ये शिक्षा दी जाएगी।	कहानी सुनाना कविता लेखन
	दिसंबर	दीपदान दो कलाकार मातृ मंदिर	राजपुताने की वीरगंगा का चित्रण किया जाएगा। सच्चे कलाकार की पहचान बताई जाएगी। राष्ट्र प्रेम की भावना का विकास, सर्वस्व न्योछावर कर देने की भावना को बल दिया जाएगा।	पात्रों का अभिनय विचारों का आदान-प्रदान

Round-1: (80 m)

पत्र, निबंध, अपठित गद्यांश, व्यावहारिक व्याकरण, साखी, बात अठ्ठी की, काकी

Round 3-4

पूरा पाठ्यक्रम होगा (बोर्ड के पाठ्यक्रम के अनुसार)

Round -2 : (80 m)

पत्र, निबंध, अपठित गद्यांश, व्यावहारिक व्याकरण, संदेह, जामुन का पेड़, विनय के पद, गिरिधर की कुंडलियाँ, संस्कार और भावना

Paper Style : (1,2,3,4) (80 marks)

Section - A

एक विषय पर निबंध लिखो (पाँच में से एक)	१५
एक विषय पर पत्र लिखो (दो में से एक)	७
अपठित गद्यांश (अनिवार्य)	१०
व्यावहारिक व्याकरण	८

Section - B

अवतरणों को पढ़कर प्रश्नों के उत्तर लिखो (छह में से चार)

Physics Class 10

SR.NO	Month	Topic	Concept	Activity
1	April	CH.1 Force CH.2 Work,Energy, Power	Contact, non contact force, Newton's laws of motion, units of force, moment of force, equilibrium, static and dynamic equilibrium, principle of moments, centre of gravity, uniform circular motion, centripetal and centrifugal force. Work, Energy, Power, different forms of energy, kinetic and potential energy, relation between kinetic energy and momentum, work-energy theorem, different forms of kinetic and potential energy, conversion of potential energy into kinetic energy, conversion of energy from one form to another form, conservation of energy, energy degradation.	Different daily life examples to show turning effect of force. Different examples to show conversion of energy
3	June	CH.3 Machines CH.7 Sound	Simple machines, M.A., V. R., principle of a machine, efficiency, levers—class I, class II and class III levers, inclined plane and gears, gain in torque and gain in energy, pulley-single fixed and single movable pulley, combination of pulleys, block and tackle system. Sound, echo, free, damped and forced vibrations, resonance, characteristics of sound, subjective and objective nature of sound.	Make a chart to show position of fulcrum, load and effort in different types of machine Experiment to show resonance in an one end closed organ pipe
8	July	CH.8 Current electricity	Current, potential difference, resistance, ohm's law, conductance, resistance, ohmic and non ohmic resistors, super conductors, specific resistance or resistivity, conductivity, electromotive force, terminal voltage, voltage drop, internal resistance of a cell, series and parallel combination of resistors.	Complete a circuit using ammeter, voltmeter and resistances to show series and parallel combination.
9	August	CH.9 Electrical power and household circuits	Electrical energy, power, heating effect of current, power ratings of electrical appliances, household wiring system, advantages and disadvantages of series and parallel combination, fuse, current ratings of a fuse, switches, dual control switches, earthing, three pin plug and socket, safety precautions while using electricity, colour coding of wires, high tension wires.	Household wiring system –ring and tree system

10	Aug /Sept.	CH.10 Electromagnetism	Oersted's experiment, magnetic field lines due to straight current carrying conductor, right hand thumb rule, magnetic field due to current in a loop (or circular coil), magnetic field due to a current carrying cylindrical coil (or solenoid), electromagnet, I-shaped and U-shaped electromagnet, permanent magnet, uses of electromagnet, force on a current carrying conductor in a magnetic field, DC motor, electromagnetic induction, factors affecting the magnitude of induced emf, difference between ac and dc, transformer, step up and step down transformer, energy losses in transformer and its prevention - copper loss, magnetic field link loss, hysteresis loss, losses due to eddy currents.	Experiment to draw magnetic field due to solenoid and current carrying straight wire
11	September	CH.11 Calorimetry	Concepts of heat and temperature, heat or thermal capacity, specific heat capacity, calorimetry, relation between heat capacity and specific heat capacity, calorimetry, principle of mixtures (principle of calorimetry), electrical method for the measurement of specific heat capacity, consequences of high specific heat capacity of water, examples related with high and low thermal capacity, change of phase, specific latent heat, latent heat of fusion, latent heat of vaporization, effect of pressure on melting point and boiling point, effect of impurities on melting point and boiling point, electrical method for specific latent heat.	Experimental demonstration of calorimeter.
12	Oct/Nov	CH.4 Refraction of light at plane surfaces	Refraction of light, laws of refraction, speed of light in different media, principle of reversibility of light, refraction through glass slab and prism, factors affecting the angle of deviation, real and apparent depth, consequences of refraction of light, critical angle and total internal reflection (TIR), factors affecting critical angle, total internal reflection, total internal reflection in a prism— 90° , 45° , 45° prism, 60° , 60° , 60° prism, 90° , 60° , 30° prism, difference between TIR and reflection from a plane mirror, consequences of TIR	Reflection through slab and prism.

13	December	CH.5 Refraction of light through a lens	Lens—converging and diverging lens, terms related to a lens, image formation by concave and convex lens, power of a lens, magnifying glass, experimental determination of focal length of lens by distant object method and by auxiliary plane mirror method, application of lenses.	Image formation using convex and concave lens.
14	December	CH.6 Spectrum	Deviation produced by a triangular prism, dispersion of white light through a prism, causes of dispersion, wavelength and frequency range of different colours, electromagnetic spectrum, properties and uses of different radiations, scattering of light and its applications.	Dispersion of light through prism.
15	December	CH.12 Thermionic emission and radioactivity	Bound and conduction electrons, work function, thermionic emission, factors affecting the rate of thermionic emission, requisites for good electron emitter, hot cathode ray tube, deflection of electrons by the electric and magnetic field, uses of a cathode ray tube, structure of atom, isotopes, isobars, isotones, radioactivity, emission of α, β, γ radiations, deflection of radioactive radiations in a magnetic and electric field, properties of α, β, γ particles, changes within the nucleus in α, β, γ emission, radio isotopes, safe disposal of nuclear waste, safety rules for handling the radioactive materials, safety measures in establishment of nuclear power plants, background radiations.	Make a chart to show emission of α, β, γ radiations. Make a chart of hot cathode ray tube and discuss its three main components.

***Paper Style of Round 1 ,2 ,3 , 4 Exam**

[80 marks]

Attempt all question from section I and four questions from section II.

Section –I (40 marks)

Total four questions having five parts in each. Each part carries 2 marks.
(Numericals, Define terms, concept based, diagram based questions.)

Section –II (40 marks)

Overall 6 questions from which 4 questions have to be attempted. Each question has three parts and carries 10 marks overall.

(Numericals, Define terms, concept based, diagram based questions.)

*** Note:- Round 1,2,3,4 carries 80 marks each. All Round according to Board Paper Style.**

Syllabus for exams

Round 1—syllabus

1,2,3,7

Round 2—syllabus

1,2,3,7,8,9,10

Round 3—syllabus

11,4,5,6,12

Round 4—syllabus

Full Syllabus

BIOLOGY STD 10

SR.NO.	MONTH	TOPIC	CONCEPT	ACTIVITY
1	April	2. Cell -The structure & functional unit of life 3. Structure of chromosome, cell cycle & cell division	Shapes, size & structure of cells Structure & function of the organelles Structure of chromosome Mitosis, Meiosis, significance of meiosis	Microscopic examination of Onion peel Study of permanent slide of mitosis & meiosis.
2	June	4. Genetics-Some basic Fundamentals 13. Population	Chromosome - Carriers of genes Genes & their alleles Sex-linked inheritance Mendel's experiments on inheritance Mendel's law of inheritance Rising population Need for adopting control measures	pedigree problem solving sum
3	July	5. Osmosis and Ascent of Sap 6. Transpiration 14. Aids to Health : Health organization , First Aid	Absorption in plants Plasmolysis and deplasmolysis Transportation in plants Modes of Transpiration Condition influencing transpiration Experiments on transpiration Disease , Infections Disease , Immunity & Immunization	Study of osmosis by potato-osmometer. Study the rate of transpiration by Ganon's potometer. Study the slide of pathogen of diseases.
4	Aug	7. Photosynthesis	Mechanism of photosynthesis Factor affecting photosynthesis Experiments on photosynthesis	Study the experiments on photosynthesis
5	Sep	8. The cardiovascular system	Components of Blood Blood grouping The Human Heart Blood circulation The Lymphatic system	Study the model of human heart
6	Oct	9. The excretory system 15. Our Environment	Urinary excretory system Nephron Mechanism of urine formation Air , water, land & soil Pollution	Study the model of urinary excretory system of human.
7	Nov	11. The Endocrine system	General properties of hormones Endocrine glands	
8	Dec	10. The Nervous system and sense organs	Structure of Neuron Structure of Brain The spinal Cord Peripheral Nervous system	Study the structure of the brain by model.
9	Jan	12. The reproductive system 16. Abatement of pollution	Male reproductive system Female reproductive system Menstrual cycle Fertilisation Placenta Labour & childbirth Control of water & Air pollution Environmental Laws	Study the model of male and female reproductive system

Syllabus

Round 1: Ch: 2,3,4,13

Round 2: Ch: 5,6,7,14

Round 3: Ch: 8,9,10,11

Round 4: Whole syllabus

Paper Pattern for all Round :-

SECTION-A_(Attempt all questions) (Objectives Type Questions)

- ❖ Name the following
- ❖ Give scientific terms
- ❖ Fill in the blanks
- ❖ True or False
- ❖ Odd out & give category
- ❖ State function
- ❖ Mention location
- ❖ Define terms
- ❖ Differentiate between
- ❖ MCQ

SECTION-B

(Descriptive type Questions)

- ❖ Diagram base question
- ❖ Draw & labeled diagram
- ❖ Experiment set up base question
- ❖ Give scientific reasons
- ❖ Write short note on
- ❖ Differentiate between
- ❖ Describe process

Paper Pattern for all Round :-

SECTION-A (40 Marks)

(Attempt all questions)

(Objectives Type Questions)

SECTION-B (40 Marks) [(5+5) ×4]

(Attempt any four questions from six questions)

(Descriptive type Questions)

Each Question has two sub parts like (a) & (b).

Each question shall carry 10 marks (5+5)

*** Note:- Round 1,2,3,4 carries 80 marks each. All Round according to Board Paper Style.**

CHEMISTRY STD 10

SR.NO	MONTH	TOPIC	CONCEPT	ACTIVITY
1	April	Ch-8 Organic Chemistry	<ul style="list-style-type: none"> -Structure and Isomorphism -Nomenclature -Hydrocarbons -Alcohol and phenols -Carboxylic acids 	-Chart of Hydrocarbons and Functional group
2	June	Ch-5 Electrolysis Ch-4 Mole concept	<ul style="list-style-type: none"> -Electrolytes and Non electrolytes -Study of substance containing molecules, Ions and both -Study of electrode, Anode and Cathode reaction -Application of electrolysis -Activity series -Gay Lussac's Law -Avogadro's Law -Atomicity of Hydrogen, Oxygen, Nitrogen and chlorine -Idea of relative mass and molecular mass -Vapor density -Empirical and molecular formula -Chemical Equations 	<ul style="list-style-type: none"> -Demonstration of Electrolytic cell. -Numerical based on Law's and other, terms involved in mole concept chapter
3	July	Ch-2 Chemical bonding	<ul style="list-style-type: none"> -Electrovalent bond and Electrovalent compound -Properties -Covalent bond and its properties -Co-ordinate bond and its properties 	
4	Aug	Ch-1 Periodic Table	<ul style="list-style-type: none"> -Periodic properties and their variations in groups and periods -Periodicity 	-Group discussion by showing periodic table in Laboratory
5	Sep	Ch-6 Metallurgy	<ul style="list-style-type: none"> -Position and Comparison between Metal and Non metal -Reduction -Extraction -Corrosion and prevention -Metals and their alloys -Extraction of Alloys -Uses of Iron, Aluminum, Zinc and Alloys 	<ul style="list-style-type: none"> -Self observation of corrosion and Prevention of Iron -Identification of Cation and Anion from lab manual
6	Oct	Ch-3 (a) Acids, Bases and Salts (b) Analytical chemistry	<ul style="list-style-type: none"> -Acids, Alkalis and salts and their solutions -Uses of litmus and PH paper for acidity and alkalinity test -Definition and types of salts -General properties of salts -Laboratory preparation of salts -Uses of NH_4OH -Uses of NaOH 	<ul style="list-style-type: none"> -Acidity and basicity test in Lab using litmus paper and universal indicator -Preparation of salt in lab
7	Nov	Ch-3 Continued and Ch-7, Study of Compound (HCl , NH_3 , HNO_3 , H_2SO_4)	<ul style="list-style-type: none"> -Preparation -Properties -Reactions -Tests -Uses 	<ul style="list-style-type: none"> -Identification of gases -Tests from lab manual
8	Dec	Ch-7 Continued and Ch-9, Practical Chemistry	<ul style="list-style-type: none"> -Flame test -Identification of cations and anions -PH and its uses -Titrations 	- Practicals in Lab

Syllabus for exams

Round 1

Ch. 4,5,8,

Round 2

Ch. 1,2,4,5,8

Round 3

Full Syllabus

Round 4

Full Syllabus

*** Note:- Round 1,2,3,4 carries 80 marks each. All Round according to Board Paper Style.**

English Literature STD -X

S.No	Month	Topic	Concept	Activity
1.	April	Poem 7. A Dr Journal Entry Story 7. The Kabuliwala Poem 8. If Thou Dost Love - -----Me sonnet XIV	<ul style="list-style-type: none"> Plight of the people of Hiroshima, America dropped the atomic bomb, narrator himself became victim. Afghan Pedlar Rahmat, emotional attachment with Mini, Mini's mother's fear, Rahmat imprisoned, Mini's marriage Rahmat returns, Sacrifice and kindness of Mini's father. . Message to lover, love for inner qualities not for physical attributes. 	<ul style="list-style-type: none"> ➤ Diary writing(real incident) ➤ Dialouge – speaking ➤ Discussion on an eternal love.
2.	June	Story 8. The Bet Poem 9. I Believe Drama. Play –Act IV(sc– I,II)	<ul style="list-style-type: none"> Debate during the party, young lawyer's argument, Bet implemented, solitary Confinement, beyond 10 years, Lawyer's letter, News of his escape. Desires of life, the spirit of a child, aspirations of human beings at different stages of their lives Trial scene, Shylock refuses to forgo his claim, Portia's speech for mercy, Shylock repaid cleverly, double ring joke. 	<ul style="list-style-type: none"> ➤ Debate (Argumentative). Poem writing –'Desires' ➤ Role play
3.	July	Poem 10. A P slam of life Story 9. The Tiger in the Tunnel Drama. Play act V(sc -I)	<ul style="list-style-type: none"> Earnest effort to see life in the right spiritual perspective , guides to follow their dreams, Answers of questions It is attribute, threatening darkness, menacing rocks, jungle the wild animals, Sincere tribal, going fearlessly for job, encounter with the tiger, courage. Final scene, romance is brought back, three pairs of lovers are at last together, Antonio's ship return safe, happy, triumph, defeat of greed and hatred. 	<ul style="list-style-type: none"> ➤ (Theme – sacred) Write a song or poem ➤ Collect information on the life of people living in a jungle.. ➤ Role play.
4.	August	Story 10 Princess September	<ul style="list-style-type: none"> Kings daughter's name on seasons, gifts to princess, Parrot dies and its place is taken by Nightangle argument caged the bird, 	<ul style="list-style-type: none"> ➤ Frame a story of a bird & princess.

S.No	Month	Topic	Concept	Activity
		Poem 1. Where the mind is without fear	<p>sadness, value of freedom, sings joyfully..</p> <ul style="list-style-type: none"> Importance of knowledge, education and freedom. 	➤ Works of Rabindranath Tagore
5.	September	<p>Story 1 India's Heroes</p> <p>Revision of SA I syllabus</p> <p>Poem 2 The Inchcape Rock</p> <p>Story 3 Hunger</p> <p>Drama – Play Act I(sc I to III)</p>	<ul style="list-style-type: none"> Inspiring story of our martyrs(heroes) who died in terrorist attack in Mumbai on 26th November 2008. References from history Hunger as the dictator , invisible power that rules over the life's of people. Introduction of characters, atmosphere, stage set up. 	<ul style="list-style-type: none"> ➤ Collect information of our India heroes & their sacrifice. ➤ Group Discussion(Moral) ➤ Live examples ➤ Role play
6.	October	<p>Poem 3 In the Bazaars of Hyderabad</p> <p>Story 2 Journey by Night</p> <p>Drama – Play Act II(sc I - VI)</p>	<ul style="list-style-type: none"> Life and works of Sarojini Naidu, Glimpses of social and cultural life of the Hyderabad city. Adventurous life of jungles and creature, graphics. References from Bible, construction of play, racial and religious differences, social barriers, prejudice. 	<ul style="list-style-type: none"> ➤ Analytic work of poem. ➤ Live examples. ➤ Role play
7.	November	<p>Story 4 My Lost Dollar</p> <p>Drama – Play Act I(sc-VII-IX)</p> <p>Poem 4 A Small pain in my Chest</p> <p>Poem 5 The Professor</p>	<ul style="list-style-type: none"> Personal experience, arguments, hints, advice, attitude Fortune game of caskets, Portia's fulfillment of will. Heroic deeds, tribute to soldiers, Vietnam war, effects English language skills with faults, Satire, irony. 	<ul style="list-style-type: none"> ➤ Make Album – Different currency ➤ Role Play ➤ Discussion – "effects of war" ➤ Debate
8.	December	<p>Story 5 God lives in Panch</p> <p>Drama – Play Act III(sc I-V)</p> <p>Poem 6 Stopping by the woods in the snowy evening</p> <p>Story 6 The Last Leaf</p>	<ul style="list-style-type: none"> Justice wins, Truth ever shines, awakening conscience Tragic elements, revenge plan, final trial room. Bonding between human and nature, harsh winter in new Hampshire, detail of nature. Power of Love, Strength and determination, Sacrifices. 	<ul style="list-style-type: none"> ➤ Functions of Panchayat(Gram) ➤ Role Play ➤ Conservation of greenery ➤ Story writing
9.	January	Whole syllabus Revision	<ul style="list-style-type: none"> Revisions, worksheets, 	➤ Brain Storming

			examples, exercises, Reference books. • Prelims(Whole syllabus).	
10.	February	Whole syllabus Revision	• worksheets, examples, , Reference books. • Prelims(Whole syllabus).	➤ Brain Storming.

Syllabus:

Round 1 – 80 Marks

- 1) Poem – 7,8,9
- 2) Story – 7,8

Drama – Act IV – (Sc – I and II)

Round 2 – 80 Marks

- 1) Poem – 10,1
- 2) Story – 9,10,1

Drama – Act V – (Sc – I)

Round 3 – 80 Marks

- 1) Poem – 2,3,4
- 2) Story – 2,3,4

Drama – Act I – (Sc – I to III)

– Act II – (Sc – I to VI)

Round 4 – 80 Marks

- 1) Poem – 1 to 10
- 2) Story – 1 to 10

Drama – Act I to V (All Scenes)

*** Note:- Round 1,2,3,4 carries 80 marks each. All Round according to Board Paper Style.**

History and Civics STD10

SR.NO	MONTH	TOPIC	CONCEPT	ACTIVITY
Civics – Section A				
1	April	The Union Legislature : The Rajya Sabha and The Lok Sabha	A. The Union Parliament B. Lok Sabha – Term, composition, qualifications for membership. Parliamentary procedure: a brief idea of sessions, quorum, question hour, motions-adjournment and no-confidence motion. Speaker – selection and functions. C. Rajya Sabha – Composition, qualification for membership, disqualification of membership, election, term, presiding officer. D. Powers and functions of (a) Rajya Sabha (b) Lok Sabha	Brainstorming Discussion Explanation
2	June	The Union Executive (a) The President and (b) The Vice President	A. The President: Election, term of office, powers, qualifications for election, composition of Electoral College, reason for indirect election, term of office, procedure for impeachment. B. Powers – executive, legislative, judicial, discretionary and emergency. Position of the President in the parliamentary setup. C. Vice – President: Qualifications for election, term of office and powers.	Brainstorming Discussion Explanation
3	July	The Union Executive: (c) The Prime Minister and Council of Ministers	A. Prime Minister and Council of Ministers: Appointment, formation of Council of Minister, tenure, functions – policy making, administrative legislative, financial and emergency. B. Position and powers of the prime Minister. C. Collective and individual responsibility of the members of the Cabinet. D. Distinction between Council of Minister and Cabinet.	Brainstorming Discussion Explanation
4	Aug	The Judiciary: (a) The Supreme Court	A. Composition, qualifications of Judges, appointment, Independence of judiciary from control of executive and legislature. B. Powers of the Supreme Court. C. Jurisdiction and Functions: Original, Appellate, settlement of disputes, enforcement of fundamental rights, advisory, revisory Judicial Review and Court of Record.	Brainstorming Discussion Explanation
5	Sep	The Judiciary: (b) The High Courts (c) Subordinate Courts	A. Composition qualifications of Judges, appointment, conditions of service	Brainstorming

SR.NO	Month	Topic	Concept	Discussion Activity
			<p>B. Powers of High Court: Jurisdiction and functions; Original, Appellate, settlement of disputes; enforcement of</p> <p>C. Subordinate Courts: Distinction between Court of District Judge and Sessions Court</p> <p>D. Lok Adalats: meaning and advantages</p>	Explanation
History Section: B				
1	April	The First War of independence, 1857	<p>A. Causes (political, socio – religious, economic and military)</p> <p>B. Consequences.</p>	Brainstorming Discussion Explanation
2		Factors Promoting Growth of Nationalism, Foundation of the Indian National Congress	<p>A. Factors promoting growth of Nationalism, Economic exploitation; repressive colonial policies, socio-religious reform movements</p> <p>B. Raja Ram Mohan Roy and Jyotiba Phule.</p> <p>C. The Indian National Association (S N Banerjee and the East India Association (Dadabhai Naoroji))</p> <p>D. Foundation of the INC- immediate objective</p>	Brainstorming Discussion Explanation
3	June	Programme and Achievements of the Early Nationalist.	<p>A. Beliefs of the early Nationalists.</p> <p>B. Programme of Early nationalities (Moderates)</p> <p>C. Methods of Struggle of the Early Nationalist.</p> <p>D. Achievements</p> <p>E. Prominent Early Nationalists Leaders 1.Dadabhai Naoroji, 2. Gopal Krishna Gokhale, 3. Surendranath Banerjee.</p>	Brainstorming Discussion Explanation
4		The Rise of Assertive Nationalism	<p>A. Causes for the Rise of Assertive (Radical) Nationalism</p> <p>B. Programme of the Assertive Nationalists</p> <p>C. Achievements of the Assertive Nationalists</p> <p>D. The Great Leaders of the Assertive Nationalism, 1. Bal Gangadhar Tilak, 2. Bipin Chandra Pal, 3. Lala Lajpat Rai</p>	Brainstorming Discussion Explanation
5	July	The Partition Of Bengal	<p>A. Reasons behind the Partition</p> <p>B. Curzon’s real motives behind the partition of Bengal.</p> <p>C. Impact of Anti Partition Movement.</p> <p>D. Impact of the Swadeshi and the Boycott Movements</p>	Brainstorming Discussion Explanation

6		The Muslim League	<ul style="list-style-type: none"> A. Factors promoting Communalism. B. Events leading to the formation of Muslim League. C. Main demands of the Muslim Deputation. D. Actual formation of the Muslim League. E. Objectives of the Muslim League. 	Brainstorming Discussion Explanation
SR.NO	MONTH	TOPIC	CONCEPT	ACTIVITY
7	Aug	Lucknow Pact, Home Rule League and August Declaration	<ul style="list-style-type: none"> A. Lucknow Pact, 1916 A.D. Factors leading to the Lucknow Pact. B. The Home Rule League: Factors responsible for the formation of the Home Rule League C. The Declaration of August, 1917 its Importance 	Brainstorming Discussion Explanation
8(a)	Sep	The National Movement (1915-1934)	<ul style="list-style-type: none"> A. Gandhiji's Method B. Non-Cooperation Movement and circumstances leading to it. C. Significance of the Khalifat Movement D. Jallianwala Bagh Incident. E. The programme, Progress and impact of the Non-Cooperation Movement. F. Causes for the Establishment of the Swaraj Party. G. Simon Commission. H. Circumstances leading to the Civil Disobedience Movement. I. Dandi March/ Salt March J. Gandhi- Irwin Pact, 1931 K. Poona Pact 	Brainstorming Discussion Explanation
8(b)		Quit India Movement	<ul style="list-style-type: none"> A. Circumstances leading to the Quit India Movement B. August Offer, 1940 A.D. C. Factors responsible for the Cripps Mission. D. Failure of the Cripps Mission. E. Course and Spread of the Quit India Movement, Significance of the Quit India Movement and causes for the failure of the Quit India Movement. 	Brainstorming Discussion Explanation
9	Oct	Forward Bloc and INA	<ul style="list-style-type: none"> A. Subhash Chandra Bose and the Indian National Army (INA) B. Circumstances leading to the formation of INA C. Role of INA in the freedom Struggle and its significance. 	Brainstorming Discussion Explanation
10		Independence and Partition of India	<ul style="list-style-type: none"> A. Wavell Plan and its failure. B. Circumstances/ Reasons that lead to the Cabinet Mission. C. Provisions of the Cabinet Mission D. Conflict between the Congress and the Muslim League. 	Brainstorming Discussion Explanation

			E. The Mountbatten Plan/ Proposals F. The Indian Independence Act 1947	
Contemporary World Section: C				
1	Aug	The First World War	A. Cause of the War. B. Two Major Events of the War. C. The Treaty of Versailles, 1919 A.D., its main terms. D. Result of the war.	Brainstorming Discussion Explanation
2	Oct	Rise of Dictatorships	A. The causes of the Rise of Fascist Dictatorship in Italy B. The main principles of Fascism and Mussolini's Aims C. The rise of the Nazi Dictatorship in Germany	Brainstorming Discussion Explanation
SR.NO	Month	Topic	Concept	Activity
			D. Causes of the Rise of Nazi Dictatorship in Germany E. Similarities in the aims of Fascism and Nazism. F. Hitler's Domestic and Foreign Policy G. Mussolini's Domestic and Foreign Policies.	
3	Nov	The Second World War	A. Long term Causes of the Second World War. B. The immediate cause C. Main events of the War D. Consequences of the Second World War E. Origin of the Cold War: Division of the World into Two Power Blocs F. The Impacts/ Consequences of the Cold War	Brainstorming Discussion Explanation
4		The United Nations	A. Circumstances leading to establishment of the UNO B. The UNO C. Organs of the UNO D. India's Contribution in peacekeeping process of the UNO	Brainstorming Discussion Explanation
5	Dec	Major Agencies of the United Nations	A. UNICEF B. WHO C. UNESCO	Brainstorming Discussion Explanation
6		Universal Declaration of Human Rights	A. Human Rights: Meaning, Article-1 and 2 B. Characteristics and Importance of Human Rights. C. Organizations fighting for the Human Rights D. Violation of Human Rights	Brainstorming Discussion Explanation
7		Non-Aligned Movement	A. Factors which lead to the formation of NAM B. Formation and growth of the Non-aligned movement C. Panchsheel D. Objective and Role of NAM E. Achievements of NAM	Brainstorming Discussion Explanation

Syllabus

Round 1: Ch-1, 2 (Civics), 1, 2, 3 (History)

Round 2: Ch-3, 4, 5 (Civics), 4, 5, 6, 7, 8(a), 8(b) (History)

Round 3: Whole syllabus

Round 4: Whole syllabus

For Round 1 to 4 (80 Marks)

Part-1 (30 Marks)

Section-A

Q1. 10 objective questions.(Civics) 10 Marks

Q2. 10 questions of 2 marks each (History) 20 Marks

Part-2 (50 Marks)

Section-A (Civics)

Attempt any two questions from this section.

3 questions having 3 parts of 3, 3, 4 marks 20 Marks

Section-B(History)

Attempt any three questions from this section

5 questions having 3 parts of 3, 3, 4 marks 30 Marks

MATHS STD10

SR.NO	MONTH	TOPIC	CONCEPT	ACTIVITY
1	April	Chap30, Probability	Empirical Probability, Classical Probability	Quiz
		Chap12, Reflection	Co-ordinate axes, Reflection, Invariant points, Combination of reflection	Graphs
		Chap11, Matrices	Order of matrix, Some special types of matrices, Operations on matrices, Some properties of matrices, Multiplication of matrices	Group Discussion
		Chap10, Factor Theorem	Polynomial, Value of a polynomial $P(x)$ at $x=\alpha$, Division algorithm of polynomials, Remainder Theorem, Factor theorem, Use of factor theorem in Factorization	Group Discussion
		Chap5, Linear Inequations	Linear Inequation, Replacement set or domain of the variable, properties of Inequations, Method of solving a linear Inequation in one variable	Group Discussion
		Chap1, Compound Interest	Reviews of general concepts, Compound interest by using formulae, Growth & depreciation.	Quiz (general question on different taxes on Different items)
		Chap2 Sales Tax & Value Added Tax	Computation of tax including problems involving discounts, list price ,profit /loss, cost price	
2	June	chap3, Banking	Bank, Different types of bank account, calculating interest in saving bank accounts, Recurring deposits or Cumulative time deposits scheme	Demo of cheque & passbook.
		Chap4, Shares and Dividend	Capital, Shares, Dividend, Nominal value of a share, Market value of a share, Some important concepts.	Take any one share, Find the variation in the price during one week
		Chap6, Quadratic Equations	Roots of quadratic equation, Method of solving a quadratic equation by factorization ,Quadratic Formula, Natures of roots of a Quadratic Equation	Group Discussion
		Chap7, Problems on Quadratic Equations	Method of solving problems on Quadratic Equation	Group Discussion
3	July	Chap8, Ratio	Ratio, Composition of ratios	Group Discussion
		Chap9, Proportion	Proportion, problems based on k-method, Properties of Ratio & Proportion	Group Discussion
		Chap13, Distance and Section Formulae	Distance formula, Test for collinearity of three points, Section formula, To find the co-ordinates of the centroid of a triangle	Derivation of distance formula
		Chap14, Equation of a Straight Line	Inclination of a line, Slope or gradient of a line, Equation of a straight & Oblique line, Condition for parallelism and	Group Discussion

SR.NO	Month	Topic	Concept	Activity
4	August	Chap25, Trigonometrical Identities	perpendicularity Trigonometrical ratios, Relations between T-ratios, Quotient relations, square relations-ratios of standard and complementary angles, Using T-ratios	Prepare a table of different angles
		Chap26, Heights and Distances	Line of Sight, Angle of Elevation, Angle of Depression	Group Discussion
		Chap15 Symmetry	Line Symmetry	Group Discussion
5	September	Chap27, Graphical Representation of Statistical Data	Review of important concepts, Histogram, Frequency Polygon, Cumulative frequency curve or ogive	Graphs
		Chap28 Measures of Central Tendency	Average of data, Arithmetic mean, Mean of grouped & ungrouped data	Collect data from daily life and calculate its mean by different method.
			REVISION SA-1	
6	October	Chap29 Median, Quartiles and Mode	Median, Median of an ungrouped data, Quartiles, Interquartile range, Semi Interquartile range, To estimate median and quartiles from ogive, Mode, Estimation of mode from histogram.	Graphs
		Chap23 Circumference & Area of a Circle	Circumference & Area of a Circle	Quiz
		Chap24 Cone and Shape	Total Surface Area and Volume of Cone sphere and Hemisphere	Quiz
7	November	Chap16 Similarity(As a size Transformation)	Similarity of figures, Similarity as a size Transformation, Model, Map	Group Discussion
		Chap17 Similarity of Triangles	Similar triangles, Three similarity axioms for triangles, Results on area of similar triangles	Group Discussion
		Chap18 Loci	Points equidistant from two given points, Points equidistant from two intersecting lines, Some example of loci	Construction
8	December	Chap19 Chord Properties of a Circle	Terms and facts related to a circle, Chord Properties of a Circle	Show by construction: One and only one circle can be drawn, passing through three non collinear points.
		Chap20 Angle Properties of a Circle	Theorems based on angle properties of a circle, Arc Properties of a Circle.	Group discussion
		Chap21 Tangent Properties of a Circle	Theorem based on tangent properties of a circle intersecting chords and tangents	Group discussion
		Chap22 Constructions	Construction of tangents to circles, Circumscribed and inscribed circles of a triangles and polygons.	Construction
			REVISION	

Syllabus

Round 1: 1 to 7,10,11,12,30

Round 2: 1 to 15,25 to 28 & 30

Round 3: 1 to 20,23 to 30

Round 4: Whole Syllabus

Paper style:

Round 1 to 4

The paper will be divided into two sections, section 1(40marks), section 2(40marks).

Section A: It will consist of compulsory 4 questions. Each question Carries 10marks.

Section B: Students will be required to answer 4 out of 7 questions. Each question carries 10 marks.

STD 10 COMPUTER

SR.NO	MONTH	TOPIC	CONCEPT	ACTIVITY
1	April	Ch-1, Object oriented programming	Class, Object, Inheritance, Polymorphism, Encapsulation, Abstraction, Dynamic Binding	Give real world examples of all the features.
		Ch - 2, History and Development of Java	Reserved Words, Java programming	Make list of various reserve words with its use.
		Ch -3, Concept of Data Types in Java	Tokens, Operators, Punctuators, Separators, Identifiers, Type Conversion	Group discussions
		Ch-4, Operators and Expressions in Java	Relational, Logical, Arithmetic, Bitwise, Ternary Operators	Use of various operators in Programming.
2	June	Ch-7, Using Library Classes	Input output in java, Types of streams, Exception handing in java, Try-catch block, Exception handing with Throws Keyword, Wrapper Classes, Static data members and member functions, Packages in java	Practical on Exception handling
		Ch-5, General Programming and Decision making in Java	Math package, InputStreamReader class, Scanner class, if-else branching, Switch case statement, Scope of variables, Testing and debugging, Syntax error, logical error, Run time error	Practical on decision making
3	July	Ch -6, Iteration through loops	Fixed iterations- for loop and its application, Unfixed Loop- While and do-while loop, continue and break	Practical on patterns
		Ch - 8, String Manipulation in Java	Character Functions, Conversion of character to ASCII, String Functions, Conversion from String to primitive and vice-versa, String Buffer Functions	Practical on string Manipulation
4	August	Ch-9, Arrays	Single Dimension array, Linear Search, Binary Search, Selection sort, Bubble Sort, Double dimension array	Working with 2-D array
		Ch-10, Basic Input/output	Printer Writer class	Taking values from user
5	September	Ch-11, Functions/Methods	Methods, return keyword, actual parameter, formal parameter, Pass by value, pass by Reference, Pure function, impure function, Function overloading, Recursive function	Practical application of methods
6	October	Ch-12, Class as user Defined Types	Object creation, Defining class, constructor, Access Specifiers - public, private, protector; New operator, nested member methods, Object as method parameter, nested classes	Practical application of methods
7	November	Ch-13, Constructor	Default constructor, parameterized constructor, copy constructor	Practical application of methods

SR.NO	MONTH	TOPIC	CONCEPT	ACTIVITY
8	December	Ch-14, Encapsulation and Inheritance	data hiding, inheritance and its types	Practical application of methods

Syllabus:

Round 1: Ch: 1, 2, 3, 4, 5, 7

Round 2: Ch: 5, 7, 6, 8, 9, 10, 11

Round 3: Whole book

Round 4: Whole book

Paper pattern for all the rounds: (ICSE Board Paper Style)

Section A: (40 Marks)

Attempt all the questions.

Q1. 10 Marks

Q2. 10 Marks

Q3. 20 Marks

Section B: (60 Marks)

Attempt any four questions.

Q4. 15 Marks

Q5. 15 Marks

Q6. 15 Marks

Q7. 15 Marks

Q8. 15 Marks

Q9. 15 Marks

STD 10 GEOGRAPHY

SR.NO	MONTH	TOPIC	CONCEPT	ACTIVITY
1	April	1. Essential of Map Reading	Classification of Maps, Conversion of scale, distance measurement, Representation of direction	Calculation based on conversion of scale.
2	June	2.Representation of Relief 3.Ordnance survey Maps	Contours, types of contours, contours representation of relief Topographical maps of India, Grid reference, measurement of areas, conventional signs and symbols	Draw contours to represent the relief Make list of colors and their significance in topographical map.
3	July	4.Interpretation of Topographical Map	Relief, drainage pattern, vegetation and climate	Draw pattern of settlements and drainage
4	August	5.Exercise on survey maps	Practice work	
5	April	6. India: Location, Extent and Physical Features 7. The climate of India	-India: Location and Size -Physical Features of India -Indian Drainage System -The Peninsular Rivers -Factors affecting the climate of India -Cycle of Seasons	Map Activity Explanation Discussion Explanation Audio Visual
6	June	8. Soils in India 9. Natural Vegetation of India	-Importance of Soil -Soil Resources of India -Soil Erosion -Soil Conservation -Natural Vegetation -Types of Natural Vegetation -Need for conservation of Forests -Various Measures for the Conservation of Forest	Discussion Explanation Discussion Explanation
7	July	10. Water Resources 11. Minerals in India	-Water Resources of India -Need for Irrigation -Means of Irrigation -Major Multipurpose projects of India -Rainwater Harvesting -Minerals in India -Petroleum or Mineral Oil -Refineries in India	Discussion Explanation Discussion Explanation
8	August	12(a). Agriculture-I { Food Crops} 12(b). Agriculture-II { Cash Crops}	-Importance of Agriculture -Types of Agriculture in India -Causes for low Productivity in India -Crops of India -Cash Crops of India -Methods of Cultivation -Areas of Production -Geographical Requirement	Discussion Explanation Discussion Explanation
9	September	13(a). Agro Based Industries in India	-Importance of Industrial Development -Classification of Industries	Discussion Explanation
10	October	13(b). Mineral Based Industries in India	-Iron and Steel Industry -Location Factors -Centres of Production -Mini Steel Plants -The Heavy Engineering Industry	Discussion Explanation

SR.NO	MONTH	TOPIC	CONCEPT	ACTIVITY
			-Automobile Industry etc.	
11	November	14. Transport	-Importance of Means of Transport and Communication -Roadways -Railways -Airways -Waterways	Discussion Explanation
12	December	15(a). Waste Generation and Management 15(b). Impact of Waste 15(c). Waste Management	-Sources of Waste -Waste and Spoilage of landscape -Waste and Pollution -Effect on Terrestrial Life -Effect on Aquatic Life -Need for Waste Management -Methods of safe disposal of waste -Sewage treatment and technology -3R's of Waste Management -Legal Provisions	Discussion Explanation Discussion Explanation

Round 1 Syllabus:

Ch: 6, 7, 8 and 1, 2 (Toposheet)

Round 2 Syllabus:

Ch: 9, 10, 11, 12(a), 12(b) and 13(a) (Toposheet)

Round 3 Syllabus:

Prelims: Whole book

Round 4 Syllabus:

Prelims: Whole book

Paper Style

Attempt seven questions in all.

Part I is compulsory. All questions from Part I are to be attempted.

A total of five questions are to be attempted from Part II.

The intended marks for questions or part of questions are given in brackets.

To be supplied with this paper: Survey of India Map Sheet No. 45D/10 and 20 cm of twin.

Part-I (30 Marks)

Attempt all questions from this part.

Q1. Study the extract of the Survey of India Map Sheet No. 45D/10 (Easting's 01 to 20 and Northing 01 to 20) and answer the questions. (6 questions of 1 mark, 7 questions of 2 mark each). (20 marks)

Q2. On the outline map of India provided (10 questions of 1 mark each)

Part-II (50 Marks)

Attempt any five questions from this part.

Q 3 to 11.

9 questions of 10 marks each, each question have four parts of 2,2,3,3 marks.