

SYLLABUS 2019-20

CLASS - 10

Content

Hindi

Maths

History Civic

Eng. Lang.

Eng. Lit.

Biology

Chemistry

Physics

Geography

Hindi- 10

S.N.	Month	Topic	Sub Concept	Activity
1	June	पाठों का पुनरावर्तन पत्र अभ्यास संस्कार और भावना बहू की विदा - पुनरावर्तन व्याकरण - अभ्यास	-वाचन पत्र का प्रारूप - मानव की प्रकृति दहेज प्रथा	- लेखन अभ्यास पत्र लेखन -वाद- विवाद अनुच्छेद लेखन
2	July	संदेह- (पुनरावर्तन) विनय के पद, भिक्षुक व्याकरण- (पुनरावर्तन)	- जीवन का रूप श्रीराम की उदारता, भिक्षुक की दयनीय स्थिति	- कहानी लेखन लेखन कोर्स, कहानी वर्णन
3	Aug	चलना हमारा काम है जामुन का पेड़ -	-लक्ष्य- निर्माण भ्रष्टाचार की जानकारी	-लक्ष्य वर्णन विचार- विमर्श
4	Sept	निबंध /पत्र व्याकरण कार्य 'दीपदान'	वाक्य विन्यास पत्र का प्रारूप देशभक्ति	-शब्दों का जाल अनुच्छेद लेखन
5	Nov	भेड़े और भेड़िए दो कलाकार मातृ मंदिर की ओर व्याकरण -कार्य	- नेताओं की राजनीति समाज सेवा - मातृभूमि के प्रति लगाव	- निबंध लेखन - Role Play - देशभक्ति पर अनुच्छेद लेखन
6	Dec	पाठों का अभ्यास		- व्याकरण अभ्यास

Paper Style

Round-1, Total Marks - 40

1. निबंध - 15
2. पत्र - 07
3. अपठित गद्यांश - 10
4. व्याकरण - 08

Round-2, Total Marks - 40

(Lesson - 1,2,3)

(Poem - 1,2,3)

1. निबंध - 15
2. पत्र - 07
3. व्याकरण - 08
4. अवतरण - 10

Round-3 (80)

Lesson- 4,5,6 Poem-4,5,6

निबंध, पत्र, अपठित गद्यांश, व्यावहारिक व्याकरण

1. निबंध - 15
2. पत्र - 07
3. अपठित गद्यांश - 10
4. व्याकरण - 08
5. अवतरण - 40

Round-4 (80)

पुरा पाठ्यक्रम

निबंध / पत्र, अपठित गद्यांश

व्याकरण

1. निबंध - 15
2. पत्र - 07
3. अपठित गद्यांश - 10
4. व्याकरण - 08
5. अवतरणों के प्रश्नों के उत्तर - 40

Round-5 (80)

पुरा पाठ्यक्रम

निबंध / पत्र, अपठित गद्यांश

व्याकरण

1. निबंध - 15
2. पत्र - 07
3. अपठित गद्यांश - 10
4. व्याकरण - 08
5. अवतरणों के प्रश्नों के उत्तर - 40

MATHS STD 10

SR.NO	MONTH	TOPIC	SUBTOPIC	ACTIVITY
1	April	Chap20, Probability	Random experiments, Sample space, Events, definition of Probability, Simple Problems on single events.	Quiz
		Chap8, Matrices	Order of matrix, Some special types of matrices, Operations on matrices, Some properties of matrices, Multiplication of matrices.	Group Discussion
		Chap2, Banking	Recurring deposits or Cumulative time deposits scheme, Calculation of interest on Recurring deposits.	Group Discussion
		Chap4, 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
2	June	Chap7, Factor Theorem - Factorization	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
		Chap18, Arithmetic Mean, Median, Mode and Quartiles	Mean Median Mode Quartile	Group discussion
		Chap10, Reflection	Co-ordinate axes, Reflection, Invariant points, Combination of reflection	Group discussion
		Chap9, Arithmetic Progressions and Geometric Progressions	Arithmetic Progressions - Finding its general term, Finding sum of Its first n-terms, simple applications. Geometric Progressions - Finding its general term, Finding sum of Its first n-terms, simple applications.	Quiz
3	July	Chap16, Trigonometrical Identities and table	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
		Chap17, Heights and Distances	Line of Sight, Angle of Elevation, Angle of Depression	Group Discussion
		Chap5, Quadratic Equations	solving a quadratic equation by factorization, Quadratic Formula, Discriminant, Word Problems	
4.	August	Chap3, Shares and	Capital, Shares, Dividend, Nominal value Some important concepts.	Group discussion

		Chap6, Ratio and Proportion	Ratio, Comparison of ratios Proportion, problems based on k-method, Some useful results on Ratio & Proportion	Group discussion
		Chap1, Goods and Service Tax	CGST, SGST, IGST, rates of GST, Calculation of GST.	Quiz
5	September	Chap19, Histogram and Ogive	Histogram Ogive, Estimation of median and mode	Graphs
		Chap11, Coordinate Geometry	find the co-ordinates of the centroid of a Triangle, Inclination of a line, Slope or gradient of a straight & Oblique line, Condition for parallelism and perpendicularity	Group discussion
6	October		EXAMS	
7	November	Chap15, Three Dimensional Solids	Total Surface Area and Volume of Cylinder, cone, sphere and Hemisphere	Quiz
		Chap12, Similar Triangles	Similarity of figures, Similarity as a size Transformation, Model, Map Similar triangles, Three similarity axioms For triangles, Results on area of Triangles.	Group discussion
		Chap13 Loci	Points equidistant from two given points, Points equidistant from two intersecting lines, Some example of loci.	Construction
8	December	Chap14, Circles	Theorems based on angle properties of a circle, Cyclic Properties of a Circle. Theorem based on tangent properties of a circles, intersecting chords and tangents Alternate segments. Construction of tangents to circles, Circumscribed and inscribed circles of a triangles and polygons.	Theorem explanation with Cut & paste method. Construction
			REVISION	

Syllabus

Round 1: 2, 4, 7, 8, 18, 20

Round 2: 5, 9, 10, 16, 17

Round 3: 1 to 11, 16 to 20

Round 4: Whole Syllabus

Round 5: Whole Syllabus

Paper style:

Round 1 & 2

The paper will be divided into two sections, section 1(20marks), section 2(20marks).

Section A: It will consist of compulsory 4 questions. Each question Carries 5marks.

Section B: Students will be required to answer 4 out of 5 questions. Each question carries 5 marks.

Round 3, 4 & 5

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 10 marks.

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

Civics - 10

S.N.	Month	Topic	Sub Concept	Activity
CH-1	June	The Union Legislature : The Rajya Sabha and The Lok Sabha	<p>A. The Union Parliament</p> <p>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.</p> <p>C. Rajya Sabha - Composition, qualification for membership, disqualification of membership, election, term, presiding officer.</p> <p>D. Powers and functions of (a) Rajya Sabha (b) Lok Sabha</p>	Brainstorming Discussion Explanation
CH-2		The Union Executive (a) The President and (b) The Vice President	<p>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.</p> <p>B. Powers - executive, legislative, judicial, discretionary and emergency. Position of the President in the parliamentary setup.</p> <p>C. Vice - President: Qualifications for election, term of office and powers.</p>	Brainstorming Discussion Explanation
CH-3	July	The Union Executive: (c) The Prime Minister and Council of Ministers	<p>A. Prime Minister and Council of Ministers: Appointment, formation of Council of Minister, tenure, functions - policy making, administrative legislative, financial and emergency.</p> <p>B. Position and powers of the prime Minister.</p> <p>C. Collective and individual responsibility of the members of the Cabinet.</p> <p>D. Distinction between Council of Minister and Cabinet.</p>	Brainstorming Discussion Explanation
CH-4	Aug	The Judiciary: (a) The Supreme Court	<p>A. Composition, qualifications of Judges, appointment, Independence of judiciary from control of executive and legislature.</p> <p>B. Powers of the Supreme Court.</p> <p>C. Jurisdiction and Functions: Original, Appellate, settlement of disputes, enforcement of fundamental rights, advisory, revisory Judicial Review and Court of Record.</p>	Brainstorming Discussion Explanation
CH-5	Sep	The Judiciary: (b) The High Courts (c) Subordinate Courts	<p>A. Composition qualifications of Judges, appointment, conditions of service</p> <p>B. Powers of High Court: Jurisdiction and functions; Original, Appellate, settlement of disputes; enforcement of Fundamental Rights, Writs, Advisory, Judicial Review, Court of Record.</p>	Brainstorming Discussion Explanation

S.N.	Month	Topic	Sub Concept	Activity
			C. Subordinate Courts: Distinction between Court of District Judge and Sessions Court D. Lok Adalats: meaning and advantages	

History Section: B

S.N.	Month	Topic	Sub Concept	Activity
CH-1	June	The First War of independence, 1857	A. Causes (political, socio - religious, economic and military) B. Consequences.	Brainstorming Discussion Explanation
CH-2		Factors Promoting Growth of Nationalism, Foundation of the Indian National Congress	A. Factors promoting growth of Nationalism, Economic exploitation; repressive colonial policies, socio-religious reform movements B. Raja Ram Mohan Roy and Jyotiba. Phule. C. The Indian National Association (S N Banerjee and the East India Association (Dadabhai Naoroji)) D. Foundation of the INC- immediate objective	Brainstorming Discussion Explanation
CH-3		First Phase of the Indian Nationalist Movement(1885-1907)	A. Beliefs of the early Nationalists. B. Programme of Early nationalities (Moderates) C. Methods of Struggle of the Early Nationalist. D. Failures and Achievements of the Early Nationalists. E. Prominent Early Nationalists Leaders 1.Dadabhai Naoroji, 2. Gopal Krishna Gokhale, 3. Surendranath Banerjee.	Brainstorming Discussion Explanation
CH-4(a)	July	Second Phase of the Indian Nationalist Movement(1905-1916)	A. Causes for the Rise of Assertive (Radical) Nationalism B. Programme of the Assertive Nationalists C. Surat Split in the Congress (1907 A.D.) D. Achievements of the Assertive Nationalists	Brainstorming Discussion Explanation
CH-4(b)		Second Phase of the Indian Nationalist Movement(1905-1916)	A. The Great Leaders of the Assertive Nationalism, 1. Bal Gangadhar Tilak, 2. Bipin Chandra Pal, 3. Lala Lajpat Rai B. Bengal on the Eve of Partition C. Government's Version D. Reasons behind the Partition E. Curzon's real motives behind the partition of Bengal. F. Government's Repressive Measures G. Communalism in India H. Factors promoting Communalism I. Actual formation of Muslim League	Brainstorming Discussion Explanation

S.N.	Month	Topic	Sub Concept	Activity
CH-5		The National Movement (1915-1934)	<p>J. First World War and the national movement K. The Lucknow Pact, 1916 A.D. L. Joint Committee Report agt the Lucknow Session</p> <p>A. M.K Gandhi B. Gandhijis Methods C. Non- Cooperation Movement and Circumstances leading to it D. The Programme of the Non Cooperation Movement E. The progress of the Non- Cooperation Movement F. Chauri- Chaura Incident and withdrawal of the Movement G. Swaraj Party H. Simon Commission I. Nehru Report J. Dandi March/ Salt March K. Revival of the Civil Disobedience Movement 1932-34 A.D L. Poona Pact M. Impact of the Civil Disobedience Movement N. Spread of Socialist Ideas</p>	Brainstorming Discussion Explanation
CH-6	Aug	Quit India Movement	<p>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. F. Significance of the Quit India Movement. G. Causes for the failure of the Quit India Movement.</p>	Brainstorming Discussion Explanation
CH-7		Forward Bloc and INA	<p>A. Subhash Chandra Bose and the Indian National Army (INA). B. Rift with Gandhi. C. Formation of the Forward Bloc. D. Ideals of the Forward Bloc. E. Circumstances leading to the formation of INA. F. Role of INA in the freedom Struggle and its significance.</p>	Brainstorming Discussion Explanation
CH-8		Independence and Partition of India	<p>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. E. The Mountbatten Plan/ Proposals F. The Indian Independence Act 1947</p>	Brainstorming Discussion Explanation

Contemporary World - Section: C

S.N.	Month	Topic	Sub Concept	Activity
CH-1	Sep	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
CH-2		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 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.	Brainstorming Discussion Explanation
CH-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
CH-4	Dec	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
CH-5		Major Agencies of the United Nations	A. UNICEF B. WHO C. UNESCO	Brainstorming Discussion Explanation
CH-6		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	

Syllabus

Round 1: Ch-1 (Civics), 1, 2 (History) • Round 2: Ch-2,3 (Civics), 3,4 (History)

Round 3: Ch- 1,2,3,4 (Civics), 1,2,3,4, 5,6 (History) • Round 4: Whole syllabus

Section-A Part-1 (30 Marks)

Q1. 10 objective questions.(Civics) 10 Marks

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

Section-A (Civics) Part-2 (50 Marks)

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

STD 10 English Language

SR.NO	Month	Topic	SUBTOPIC	Activity
1.	April	Composition- Introduction to various compositions (Narrative) Letter Writing-(Personal)	Characters, suitable dialogue, language, expression, experience Personal views, Greetings, Address, date, Salutation, body of the letter, subscription	Frame a creative story Letter- Format
2.	June	Notice writing Test paper- 2&3 Gram- Articles, Verbs	Message, official content Illustrations, clarity, Instructions Action words, A, an, the concept	Notice Format Live examples Rules chart
3.	July	Test Paper- 4&5 Comprehension ex Letter writing- (formal) Email writing Gram- Tenses, prepositions, join the sentences	Illustrations, clarity of the meanings, content Format, sequence, Add, date, body of the letter, salutation To, from ,sub, date ,content Proper tenses, transform of subject, modification of verbs	Frame 50 words box Format of the Letter Box format Discussion, Rule chart
4.	August	Test Paper 6&7,compreh ex Composition- Reflective Letters to the newspaper editor Gram- Direct/indirect, degree of comparison	Thinking clarity, understanding situation, opinion Reflection of ideas and views (topic) Social, Political, domestic writer's opinion, forceful approach V1 & V3 form, interchange	Live examples Frame story (adventurous) Format of the Letter Live examples
5.	September	Test paper- 8&9 compreh ex Composition- (Argumentative) Notice & Email Letter writing – (Application) Gram- Prepositions, Degrees of comparison	Clarity, understanding meanings,60 word box Controversial topic, strong views or opinions, forceful speech Strong points, language, content Subject, salutation, body of the letter, concluding lines, subscription Suitable words, relation with noun, comparisons	Discussion, framing answer Debate- political Format/system Format of letter Rules chart
6.	November	Test paper 10&11 comprehension ex Composition – story based Letter writing (Application) Gram- join the sentence without using and, but, so	Clear words, understanding logically, interchange sentence Interesting theme, imaginative skills, relation with characters Formal language, sub, content Sequence changing, past form, examples, instructions	Find meanings of related words As per rules Creative thinking Format of letter Rule chart/ live example

7.	December	Test paper-12&13 comprehension ex Letter writing(complaint) Composition- Picture composition Gram- Narration (direct & indirect), transformation-1	Relative situations, transformation, understanding meanings Add, date, sub, content etc Clear understanding and connection of Characters with the picture First person direct speech, V3 form of verb for indirect speech, interchange of sentence	Story framing (tragedy) Study format Critical Analysis Rules chart
8.	January	Test paper- 14&15 Comprehension ex Letter writing- formal/informal Composition Revision (All types) Email / Notice writing Gram- Transformation-2 All ex- Verbs, join sent, prepositions	Interchange of order, situation, word meaning, clarity Add, date, subject, body of letter, salutation, subscription Experiences, incident, language, imagination skills Attractive words, heading, clarity As per instructions given, interchange of sentence, tenses	Rules chart Ques/ans Letter format Sharing live experience Draw format Rules chart
10.	February	Board Exam Syllabus	Revision as per Board pattern, exercises, format, rules	Brain storming questions, worksheet, assignments etc

Syllabus

Round-1: Composition, Letter writing, Email, Notice, Grammar exercises	- 40M
Round-2: Composition, Letter writing, Email, Notice, Grammar exercises	- 40M
Round-3: Composition, Letter writing ,Notice, Email, Comprehension ,Gram ex	- 80M
Round-4: Composition, Letter writing ,Notice, Email, Comprehension, Gram ex	- 80M

Paper Style - 10

Round 1- Composition- Narrative & Descriptive (any one)	- 10M
Letter- Personal & official (any one)	- 10M
Email	- 5M
Notice writing	- 5M
Grammar- verbs, prepositions	- 10M
Round 2- Composition – Story based & Argumentative (any one)	- 12M
Notice writing	-05M
Email writing	- 05M
Comprehension	-10M
Grammar- Transformation, join the sentences	-10M
Round 3- Composition- All five types (any one)	- 20M
Letter writing (all types) (any one)	- 10M
Notice writing	- 5M
Email writing	- 5M
Comprehension- solve exercise	- 20M
Grammar – correct form of verb, appropriate words, Join the sentence, transform as per instructions given	- 20M
Round 4- Composition (any one) All types	- 20M
Letters (any one) All types	- 10M
Notice writing	- 5M
Email writing	-5M
Comprehension- solve ex	- 20M
Grammar- All four exercise (As per board pattern)	-20M

NOTE: Type of Questions are subject to change for all the paperstyle.

STD 10 English Literature

SR.NO	Month	Topic	SUBTOPIC	Activity
1.	April	Merchant of Venice (Drama) Act IV (scene- I & II) Poem7 I Know why the caged bird sing	Trial Scene, Shylock's revenge, arguments of Portia, Fine/penalty for Shylock Free bird compared with white peoples and caged bird with African-Americans	Role Play Make a file of activist "Maya Angelou"
2.	June	Story7 The Little Match Girl Poem8 The Patriot Revision (Round-1)	Poor girl sells matches, too cold, Lit four match, sat near a wall, finally died of cold The Speaker, a patriot welcomed grandly, changed situation, thrown stones by people, executed Syllabus revision	Draw a character sketch of " The Little Girl" Write a review of a "Patriotic Movie" Worksheet
3.	July	Drama M of V- (Act V) Poem9 Abou Ben Adhem Poem10 Nine Gold Medals Story8 The Blue Bead	References about faithful and unfaithful lovers. Abou wakes up in night, saw an angel, golden book, questions, Abou name on top, blessed by God 100 yard race, nine athletes, smallest among them fell, All other eight players hold him, won race all together Sibia the grass seller, Crocodile attacked a woman, Sibia jumps, hay fork into reptile's eyes, finds blue bead, very happy and tells mother	Summerization Enact a Spiritual "Drama" Make a Report on " Olympic Athletes" Discussion on "The Children's Bravery awards"
4.	August	Story9 My Greatest Olympic Prize Drama Revision Act I (Scene- I to III) Story 10 All Summer in a Day Poem 1 The Heart of the Tree	Jesse Owens, Olympic Games, friend Luzlong, Adolf Hitler's discrimination, medal for Long Jump Intro of Characters, gloomy atmosphere, stage set up, communication among friends Children of Venus planet, Margot from Earth, Sun for two hours, locked Margot, in closet. True friends trees, bring rain, food and shelter	Write Autobiography of Athlete "Jesse Owens" Role play Make an Album on "The Planets" Draw and enlist the "parts of the Trees"
5.	September	Poem2 The cold within Story1 Chief Seattle's Speech" Story2 Old man at the Bridge Drama- Act II (Scene I to V) Revision (Round3)	Six human, discrimination, caste, class, selfishness, cold outside, no log, died all A letter, God of Whites, wants land of natives, tortures Red Indians to move Old man travelling, left house and pet animals, sitting on a bridge, war zone, feeling sad References from the Bible Syllabus given	Frame a story on "United we stand, divided we fall" Eloquution- Humanity & Sufferings Debate- topic "War" Role play worksheet

7.	November	Drama Act III(scene I to V) Poem3 Bangle Sellers Poem4 After Blenheim Poem5 Television Story5 A face in the Dark	Tragic elements, Portia gives solution, trial scene, disguise, fought case and won, bad Temple fair, colourful Bangles for different group age women, colours significance Old Kaspar, war, English & French, life destruction, Grand children's questions effects of TV, kills children's imagination, advises to read books, joy of mind & heart Mr Oliver, listens crying voice, boy without face, horrified ran, watchmen too without face	Role play Live examples Quiz session Debate on Television Share your experience of being horrified after watching a horror movie.
8.	December	Poem6 Daffodils Story6 An Angel in Disguise Story3 A Horse and Two Goats Drama- Revise All Acts Revision- Round 4	Poet encounters a large number of daffodils, happy viewing it, flowers sway Three children, mother died, two adopted, Maggie paralysed, Thompson's affection, took home Muni a poor aged man, small village, graze goats, met American, funny talks Brain storming exercise	Analytic work of Poem Write composition on "Child Labour" Who is the central character in the story Muni or Horse? Justify worksheet
9.	January	Revision tests- Poem- 1 to 10 Story- 1 to 10 Drama- Act I to V	Notes material, Reference books, Revision Exercises	Worksheet, assignments
10.	February	Board exam	Revision as per Board pattern, exercises, format, rules	Brain storming questions, worksheet, assignments etc

Syllabus

Round-1: Poem- 7, Story- 7, Drama- Act IV (scene- I, II) -40M

Round-2: Poem – 8, Story- 9,10 Drama- Act III -40M

Round-3: Poem – 9,10 Story – 8, 1,2 Drama – Act I (scene I to III) -80M

Act II (scene I to V)

Act III (scene II to V)

Round-4: Poem- 1,2,3,4,5,6 Story- 3,4,5,6 Drama Act II (scene VI to IX)

Act V (All scenes) - 80M

Round-5: Pre Board Exam – whole Syllabus - 80M

Revision Test Exam – Whole syllabus (Poem 1to10)(story 1to10)Drama- (Act ItoV)

NOTE : Type of Questions are subject to change for all the paper style.

Paper Style – 10

Attempt five question in all out of six. One question is compulsory to attempt from each section:-

SECTION A DRAMA

Merchant of Venice

Q.1 Read the extract and answers the questions that follow: - 16M

Q.2 Read the extract and answers the questions that follow: - 16M

SECTION B- POETRY

ICSE POEMS

Q.3 Read the Extract and answer the Questions that follows:- 16M

Q.4 Read the Extract and answer the Questions that follows:- 16M

SECTION C- SHORT STORIES

ISCE SHORT STORIES

Q.5 Read the Extract and answers the Questions that follows: - 16M

Q.6 Answer the following Briefly :- 16M

STD 10 BIOLOGY

SR.NO	Month	Topic	SUBTOPIC	Activity
1.	Jun	<p>Ch.1-The Cell An Independent Unit of Life</p> <p>Ch.2- Cell cycle, Cell division and structure of chromosome</p> <p>Ch.3-Genetics</p> <p>Ch.16-Pollution and its sources(Self Study)</p> <p>Effects of pollution on environment</p> <p>Ch.8-The circulatory system</p>	<p>1. Shape ,Size and structure of cell</p> <p>1. Cell cycle 2. Types of cell division 3. Structure, size and shape of chromosome</p> <p>1. Heredity and variation 2. Mendel's experiments 3. Mendel's Laws of inheritance 4. Determination of sex in human 5. Sex Linked inheritance Examples of sex linked inheritance</p> <p>1. Air, water, soil, radiation and noise pollution</p> <p>1. Greenhouse effect & Global warming 2. Acid Rain 3. Ozone layer depletion 4. Control of Pollution</p> <p>1. The blood 2. Blood group</p>	<p>Study of plant & animal cells.</p> <p>To study the stages of mitosis</p> <p>To study the pedigree problems of genetics</p> <p style="text-align: center;">-</p> <p>Study the slide of Blood cells</p>
2.	Jul	<p>Ch.8 Continues</p> <p>Ch.9-The Excretory System</p> <p>Ch.12 Endocrine system</p>	<p>3. The Heart 4. Circulation of blood 5. Lymphatic system</p> <p>1.Excretory system 2. Formation of Urine 3. Osmo-regulation</p> <p>1. Method of regulation of body Activity 2. Endocrine gland 3. Function of Hormones</p>	<p>Study the model of Human Heart</p> <p>Study the model of Human Excretory System</p> <p style="text-align: center;">-</p>
3.	Aug	Ch. 14 Human Evolution	<p>1. Theories of evolution 2. Darwin's theory of natural selection 3. Human evolution & human ancestors 4. Homo sapiens sapiens</p>	-

		Ch.15- Population and related Problems in India	1. Population in India 2. Reasons behind Population explosion in India 3. Population control	-
		Ch.10-The Nervous system	1. Structure of Neuron 2. Central, Peripheral and Autonomic Nervous system	Study the model of Brain
4.	Sep	Ch.10 Continues Ch- 11 The sense organs Ch.13- The Reproductive System	3. Reflex Action 1. Structure of eye and ear 1. Male & Female reproductive system 2. Menstrual Cycle 3. Fertilization 4. Implantation 5. Placenta 6. Gestation 7. Parturition 8. Twins	Study the model of Eyes & Ear Study of the model of male & Female reproductive System
5.	Oct	Exam		
6.	Nov	Ch.4-Absorption by root Ch.5- Transpiration	1. Root hairs and their features 2. Absorption and conduction of water & minerals 3. Root pressure and forces responsible for ascent of sap 1. Loss of water through transpiration 2. Experiments showing transpiration in plants 3.Measurement of transpiration 4. Types of transpiration, Factors affecting. 6. Significance of Transpiration Guttation and Bleeding	To demonstrate the process of osmosis by Potato Osmoscope. To study the plasmolysis process in plant cells Experiments of Transpiration
7.	Dec	Ch.6- Photosynthesis	1. Structure of Chloroplast 2. Role of stomatal opening 3. Mechanism of photosynthesis 4. Factors affecting photosynthesis 5. Principle of limiting factor 6. Significance	Experiment of Photosynthesis

		Ch 7 Chemical Co – ordination in plants	of photosynthesis 7. Carbon Cycle 1. Plant Hormones 2. Tropic Movements in plants	-
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Syllabus

Round 1 – 1, 2, 3, 8, 16	(40 Marks)
Round 2 – 2, 3, 8, 9, 12, 14, 16	(40 Marks)
Round 3 – 10, 11, 12, 13, 14, 15	(80 Marks)
Round 4 – Whole Syllabus	(80 Marks)
Round 5 – Whole syllabus	(80 marks)

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 Rounds:-

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: All Rounds according to Board Paper Style.

STD 10 CHEMISTRY

SR.NO	Month	Topic	SUBTOPIC	Activity
1	Jun	Ch-1 Periodic Table Ch-9 Practical Chemistry	<ol style="list-style-type: none"> Periodic properties and their variations in groups and periods Periodicity on the basis of atomic number for elements Identification of Gases Identification of Cations and Anions Acidic and Alkaline solution – Distinction Copper Oxide and Manganese dioxide- Addition of Conc.HCl, Use of Ph 	<ul style="list-style-type: none"> Explain Periodic chart in lab. Flame test Precipitation reaction in lab
2	Jun-Jul	Ch-3 A. Acid, base and salts B. Analytical Chemistry – Use of Ammonium and Sodium hydroxide	<ol style="list-style-type: none"> Simple definitions in terms of molecules and their characteristics properties Ions present in mineral acid, alkalis and salt solutions Use of Litmus and pH Types and general properties of salt Laboratory preparation of Salt On solution of salts-Color Formation and color of Hydroxide ppt. for solution of salt of Ca, Fe, Cu, Zn &Pb Special action of Ammonium hydroxide on solution of copper salts and Sodium hydroxide on Ammonium salts On certain metals and their oxide 	<ul style="list-style-type: none"> Identification of Litmus and use. Identification & use of pH paper Identification & use of Universal Indicators. Colorful Precipitation reaction in Lab.
3	Jul	Ch-2 Chemical Bonding	<ol style="list-style-type: none"> Electrovalent Bond and compound - Definition, Structure, Properties Covalent Bond and compound - Definition, Structure, Properties Definition and detail of Co-ordinate bond 	<ul style="list-style-type: none"> Group activity of different compound structure
4	Aug	Ch – 4 Mole concept and Stoichiometry	<ol style="list-style-type: none"> A: Gay-Lussac's law-Avogadro's law-Mole concept Gay-Lussac's law of combining volumes, Avogadro's Law Refer to the atomicity of Hydrogen , Oxygen, Nitrogen and Chlorine R.A.M & R.M.M $M=2 \times \text{Vapour Density}$ B: Stoichiometry - Percentage composition- Empirical & Molecular Formula - Calculation based on chemical equations 	<ul style="list-style-type: none"> Numerical, Laws and other terms involved in mole concept
5	Sep	Ch-8 Organic Chemistry Ch-5 Electrolysis	<ol style="list-style-type: none"> Introduction of Organic compounds Structure & isomerism Homologous Series Simple Nomenclature Hydrocarbons Alcohol, Ethanol preparation, Properties and uses Carboxylic Acids Electrolytes and Non-electrolytes Study of substance containing molecules only, ions only and both Study of Electrode, Anode, and Cathode Application of electrolysis Acid, base & salt as Electrolytes 	<p style="text-align: center;">Demonstration of Electrolytic cell</p>

MID Term Exams

6	Oct		REVISION	
7	Nov	Ch-6 Metallurgy	<ol style="list-style-type: none"> Activity series Definition, Position & Comparison of metals & nonmetals Reduction of Metallic oxide Extraction metals based on Activity series Corrosion of Iron & its prevention Metals & their alloys Uses of Fe, Al & Zn and their alloys Other important alloys – Bronze, Fuse 	<ul style="list-style-type: none"> Self observation of corrosion Identification of cation & Anion from Lab Manual
8	Dec	Ch-7 Study of compounds [A: HCl, B: NH ₃ , C: HNO ₃ , D: H ₂ SO ₄]	<ol style="list-style-type: none"> Preparations Properties Reactions Tests Uses 	<ul style="list-style-type: none"> Test from Lab manual
9	Jan		Revision	
10	Feb		Final Exams	

SYLLABUS

Round 1:- Ch- 1, 3 & 9 (40 marks)

Round 2:- Ch- 1, 3, 8 & 9 (40 marks)

Round 3:- Ch- 1, 3, 4, 8 & 9 (80 marks)

Round 4:- All Chapters (80 marks)

PAPER STYLE - 10

Section – I [Compulsory questions]

Type of questions:-

- Fill in the blanks
- M.C.Qs
- Define the terms
- Identify
- IUPAC Name
- Draw structural formula
- Give reactant / product / catalyst
- One word answer

Section – II

Type of questions in each question: - Each optional question carries 10 marks

- What happen when
- Give reasons
- Identify the element
- Experiment with labelled diagram
- Complete the following reaction
- Properties
- Describe in detail
- Explain the terms
- Applications or Uses
- Conversion

Note: Type of Questions are subject to change for all the Paper Styles.

Geography- 10

S.N.	Month	Topic	Sub Concept	Activity
Ch-1	June	Essential of Map Reading	<ul style="list-style-type: none"> - Classification of Maps - Conversion of scale - Distance measurement - Representation of direction 	Calculation based on conversion of scale.
Ch-2	July	Representation of Relief	<ul style="list-style-type: none"> - Contours - Types of contours - Contours representation of relief 	Draw contours to represent the relief
Ch-3		Ordinance survey Maps	<ul style="list-style-type: none"> - Topographical maps of India, - Grid reference - Measurement of areas 	Make list of colors and their significance in topographical map.
Ch-4	Aug	Interpretation of Topographical Map	<ul style="list-style-type: none"> - Conventional signs and symbols - Relief - Drainage pattern - Vegetation and climate 	Draw pattern of settlements and drainage
Ch-5		Exercise on survey maps	Practice work	
Ch-6	June	India: Location, Extent and Physical Features	<ul style="list-style-type: none"> - India: Location and Size - Physical Features of India - Indian Drainage System - The Peninsular Rivers 	Map Activity Explanation
Ch-7		The climate of India	<ul style="list-style-type: none"> - Factors affecting the climate of India - Cycle of Seasons 	Brainstorming Discussion Explanation
Ch-8		Soils in India	<ul style="list-style-type: none"> - Importance of Soil - Soil Resources of India - Soil Erosion - Soil Conservation 	Discussion Explanation
Ch-9	July	Natural Vegetation of India	<ul style="list-style-type: none"> - Natural Vegetation - Types of Natural Vegetation - Need for conservation of Forests - Various Measures for the Conservation of Forest 	Brainstorming Discussion Explanation
Ch-10		Water Resources	<ul style="list-style-type: none"> - Water Resources of India - Need for Irrigation - Means of Irrigation - Major Multipurpose projects of India - Rainwater Harvesting 	Brainstorming Discussion Explanation
Ch-11		Minerals in India	<ul style="list-style-type: none"> - Minerals in India - Petroleum or Mineral Oil - Refineries in India 	Discussion Explanation
Ch-12(a)	Aug	Agriculture-I { Food Crops}	<ul style="list-style-type: none"> - Importance of Agriculture - Types of Agriculture in India - Causes for low Productivity in India - Crops of India 	Discussion Explanation
Ch-12(b)		Agriculture-II { Cash Crops}	<ul style="list-style-type: none"> - Cash Crops of India - Methods of Cultivation - Areas of Production - Geographical Requirement 	Discussion Explanation

S.N.	Month	Topic	Sub Concept	Activity
Ch-13(a)	Sep	Agro Based Industries in India	- Importance of Industrial Development - Classification of Industries	Discussion Explanation
Ch-13(b)	Nov	Mineral Based Industries in India	- Iron and Steel Industry - Location Factors - Centres of Production - Mini Steel Plants - The Heavy Engineering Industry - Automobile Industry etc.	Discussion Explanation
Ch-14	Dec	Transport	- Importance of Means of Transport and Communication - Roadways - Railways - Airways - Waterways	Discussion Explanation
Ch-15		Waste Generation and 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

Round 1 Syllabus: Ch: 6,7 and 1 (Toposheet), India Map.

Round 2 Syllabus: Ch: 8,9 (Toposheet) India Map.

Round 3 Syllabus: Ch:- 6,7,8,9,10,11 & Toposheet. India Map.

Round 4 Syllabus: Whole Book

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.

STD 10 PHYSICS

SR.NO	Month	Topic	SUBTOPIC	Activity
1	April	Ch-8 Current Electricity	<ol style="list-style-type: none"> 1. Electric Current, potential difference 2. Primary & Secondary cell 3. Open & close Circuit 4. Resistance & factor affecting it 5. Series & parallel connection 6. Ohm's law 7. Quantity of electric charge 8. Relation between emf, internal & External resistance 	<ul style="list-style-type: none"> • Make Circuit using voltmeter, Ammeter, Resistance and verify ohm's law.
		Ch-9 Household Circuits	<ol style="list-style-type: none"> 1. Electric work & power 2. Commercial Unit of electrical energy 3. Fuse-a safety device 4. Household Wiring 5. Dual Switch 6. Safety Precaution 	<ul style="list-style-type: none"> • Household wiring System- tree & Ring System
		Ch-10 Electromagnetism	<ol style="list-style-type: none"> 1. Properties of magnetic field lines & magnet 2. Induced Magnetism 3. Magnetic field of Earth 4. Neutral points 5. Electromagnet & its uses 6. Classification of substance 7. Oersted experiment 8. Solenoid 9. D.C. electric motor 10. Electromagnetic induction 11. Faraday's laws 12. A.C. Generator or Dynamo 13. Transformer 	<ul style="list-style-type: none"> • Show magnetic lines of a Bar magnet
2	Jun	Ch-1 Force	<ol style="list-style-type: none"> 1. Contact, Non contact force 2. Newton's laws of motion 3. Moment of force 4. Static & Dynamic equilibrium 5. Principle of moments 6. Centre of Gravity 7. Uniform Circular Motion 8. Centripetal & centrifugal force 	<ul style="list-style-type: none"> • Example based turning effect of force in daily life.
		Ch-7 Sound	<ol style="list-style-type: none"> 1. Reflection of sound 2. Echo & condition for formation it 3. Natural, Damped & Forced Vibration 4. Resonance 5. Characteristic of Sound 6. Noise 	<ul style="list-style-type: none"> • Experiment of resonance.
		Ch-2 Work,Energy,Power	<ol style="list-style-type: none"> 1. Work, Energy, Power 2. Different Form of energy 3. Potential & Kinetic energy 4. Law of conservation of energy 5. Dissipation of energy 	<ul style="list-style-type: none"> • Numerical related to topic.
2	Jul	CH-3 Machines	<ol style="list-style-type: none"> 1. Simple machines 2. M.A., V.R., Efficiency 3. Levers-class-I, class-II & class-III 4. Pulley 5. Inclined plane & Gears 6. Gain in torque & energy 	<ul style="list-style-type: none"> • Numerical related to topic.

3	Aug	Ch-4 Refraction of light at plane surfaces Ch-5 Refraction through Lens	1. Laws of Reflection 2. Refraction & Speed of light 3. Lateral Displacement 4. Real & Apparent Depth 5. Total Internal Reflection 6. Deviation of Light through prism 7. Refraction through different angles. 8. Lens with detail terminology	<ul style="list-style-type: none"> Numerical based on Topic. Practice of Image formation
4	Sept	Ch-6 Electromagnetic Wave & Spectrum Ch-12 Nuclear Physics	Combination of white light Spectrum Scattering and its application 1. Concept of Nuclear Structure 2. Properties of α, β, γ 3. Laws of Radioactive Emission 4. Nuclear Fusion & Fission	<ul style="list-style-type: none"> Dispersion through prism
5	Oct	Revision for SA 1		
6	Nov	Ch-11 Calorimetry	1. Heat energy 2. Heat or thermal capacity 3. Specific heat capacity 4. Principle of calorimetry 5. Change of state 6. Latent heat	<ul style="list-style-type: none"> Numerical related to the topic

SYLLABUS

Round 1:- Ch- 8, 9, 10, 1 (40 marks)

Round 2:- Ch- 1, 2, 3, 7 (40 marks)

Round 3:- Ch- 1, 2, 3, 4, 5, 8, 9, 10 (80 marks)

Round 4:- All Chapters (80 marks)

Round 5 (Pre-board Exam): Whole Book (80 Marks)

PAPER STYLE – 10

For 80marks Paper

Section I (40 marks) Attempt all the questions

Total four question having five parts each. Each part carries 2 marks.

(Numerical, Define term, concept based, diagram based)

Section II (40 marks) Out of six questions answer any four questions. Each question has three parts and carries

10marks overall

(Numerical, Define term, concept based, diagram based)

For 40marks Paper

Section I (20 marks) Attempt all the questions

Total four question Each question carries 5 marks overall

(Numerical, Define term, concept based, diagram based)

Section II (20 marks) Out of six questions answer any four questions. Each question carries 5 marks overall

(Numerical, Define term, concept based, diagram based)

Note: Type of Questions are subject to change for all the Paper Styles.