

SYLLABUS 2021-22

CLASS - 10

Content

Hindi

Maths

History Civic

Eng. Lang.

Eng. Lit.

Biology

Chemistry

Physics

Geography

Hindi- 10

S.N.	Month	Topic	Sub Concept	Activity
१.	जुन	पाठों का पुनरावर्तन पत्र का अभ्यास निबंध का वाचन साखी व्याकरण- (पुनरावर्तन) निबंध	- वाचन - पत्र का प्रारूप - दोहों का स्वरूप	लेखन अभ्यास पत्र लेखन दोहों का गायन
२.	जुलाई	विनय के पद भिक्षुक	- श्रीराम की उदारता, - भिक्षुक की दयनीय स्थिति	लेखन कार्य कविता- भावार्थ
३.	अगस्त	चलना हमारा काम है भीड़ में खोया आदमी	-लक्ष्य- निर्माण - जनसंख्या वृद्धि	लेखन कार्य जनसंख्या पर चर्चा
४.	सितंबर	व्याकरण - कार्य भेड़ और भेड़िए पत्र	- वाक्य - विन्यास - पत्र का प्रारूप - नेताओं की राजनीति	शब्दों का जाल अनुच्छेद लेखन
५.	अक्तू.	दो कलाकार	- समाज सेवा	रोल प्ले

Paper Style -10

Round-1, Total Marks - 50

1. निबंध - 15
2. पत्र - 07
3. अपठित गद्यांश - 10
4. व्याकरण - 18

Round-2 (80)

Lesson- 1,2,3, Poem-1,2,3,

निबंध, पत्र, अपठित गद्यांश, व्यावहारिक व्याकरण

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

Round-3 (50)

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

निबंध / पत्र, अपठित गद्यांश

व्याकरण

1. निबंध - 15
2. पत्र - 07
3. व्याकरण - 08
4. अवतरणों के प्रश्नों के उत्तर - 20

Round-4 (80) (Pre Board)

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

Eng. Lit.- 10

S.N.	Month	Topic	Sub Concept	Activity
1	June	<p>Poem-7 : I know why the caged Bird sing</p> <p>Story-9 : My Greatest Olympic Prize</p> <p>Merchant of Venice Act-III Sc-2,3,</p> <p>Act-III Sc- 4,5</p> <p>Story -7 : The Little Match Girl</p>	<p>- Free bird compared with white Americans and caged bird with African - Americans.</p> <p>- Jesse Owens, Olympic Games, fiend, Luzlong, Adolf, Hitler's discrimination, Medal for broad jump</p> <p>- Bassanio undergoes casket test-wins - wedding ceremony, Messenger with Antonio's letter, Antonio in trouble.</p> <p>- Portia's Plan to go to Venice, arrangements. Humorous conversation between Launcelot and Jessica, teasing between the lovers.</p> <p>- Poor girl sells matches, cold, lit up matches, sat near a wall, finally died of cold.</p>	<p>Bio-sketch of Maya Angelou</p> <p>Read autobiography of Athlete Jesse Owens</p> <p>Role play</p> <p>Draw a character sketch of 'The Little Girl'</p>
2.	July	<p>Poem-8 : The Patriot</p> <p>Story - 8 : The Blue Bead</p> <p>Merchant of Venice Act-Iv SC I & II</p>	<p>- A Patriot, welcomed grandly, changed situation, thrown stones by people, executed.</p> <p>- Sibia, the grass seller, crocodile attacked a woman, Sibia jumps hay fork into reptiles eyes, finds blue bead, joyous.</p> <p>- Trial scene, Shylock's revenge, arguments of Portia, penalty for Shylock.</p>	<p>Discussion on real patriotism</p> <p>Discussion on children's Bravery Awards.</p> <p>Dialogue session</p>
3.	Aug.	<p>Act IV : Continue.....</p> <p>Poem - 9 Abou Ben Adhem</p> <p>Merchant of Venice Act-V Sc-1</p> <p>Poem - 10 Nine Gold Medals</p>	<p>Abou wakes up in night, saw an angel, golden book, Abou's name on top, blessed by God.</p> <p>- Last act brings together the characters in the happy and harmonious atmosphere of Belmont</p> <p>- 100 yard race, nine athletes smallest among them full, All other eight players hold him, won race all together.</p>	<p>Spirituality versus materialism Debate.</p> <p>Dialogue session</p> <p>Write an article on 'Olympics'</p>
4.	Sep.	<p>Story 10 All summer in A Day</p> <p>Merchant of Venice Act-1 SC- 1,2,3</p>	<p>- Children of Venus planet, Margot from Earth, Sun for two hours, locked Margot, in closet.</p> <p>Revision</p>	<p>Documentary on The planets</p> <p>Critical analysis</p>
5.	Oct.		Round -2	
6.	Nov.	Poem - 1,2,3	Revision	Practice through Assignments
7.	Dec.	<p>Story - 1,2,3</p> <p>M to V Act-II SC- 1 to 9</p>	<p>Revision</p> <p>Revision</p>	Videos on stories and important questions
8.	Jan	<p>Poem -4,5,6</p> <p>Story-4,5,6</p>	Revision	Deigial support

Paper Style

Attempt 5 extracts in all out of 9. One extract is compulsory to attempt from each section

Section A - Drama

Section B - Poems

Section C - Stories

Pre board Exam (Whole Syllabus)

Treasure Prove :

Poems : 1 to 10

Stories : 1 to 10

MERCHANT OF VENICE (Drama)

Act-I = Sc-1,2,3

ACT-II - SC-1 to 9

Act-III- SC- 1 to 5

Act-IV - SC - 1,2

Act -V - SC-1

[illegible]

Chemistry- 10

S.N.	Month	Topic	Sub Concept	Activity
1.	May	Ch-1 : Modern Periodic Table & Periodic Properties Ch-2 : Chemical Bonding (Ionic & covalent compounds)	<ul style="list-style-type: none"> - Long Form periodic Table - Characteristics of L.F.P. Table - Periodicity in periodic table - Periodic Properties - Ionic Bond Introduction & explanation. - Covalent Compounds introduction and explanation. 	<ul style="list-style-type: none"> - Periodic Table representation. - Vertically & Horizontally
2.	June	Ch-2 : Continue..... Ch-3 : Acid, Base, and salts.	<ul style="list-style-type: none"> - Polar & N.P. Covalent Compound - Comparison - Force acting in C.C. - Factors Responsible for both Bonds - Co-ordinate Bond - Difference B/W electrovalent & Covalent compounds. - Introduction of all (acid, base, salt) - General methods for preparation of acids, properties - Common uses - Classification of Bases Alkalies - Methods of Preparation - Neutralisation - PH Scale & Determination - Salt & Classification - Solubility table - Methods of Preparation - Hydrolysis of salt - Important terms of salt. 	<ul style="list-style-type: none"> - Different Route & Covalent compounds & their solubility - 3D Picture & Model for molecular HCL & NaOH Reaction - Acid, Base reactions. - Metal and acid Reaction
3.	June	Ch-5 : Mole concept & Stoichiometry Ch-6 : Electrolysis	<ul style="list-style-type: none"> - Gay Lussac's law - Avogadro's law - R.A. M., R., - G.M.V, Mole concept - Application of A. law - % age composition - M.F. & E.F. - Chemical equation & calculation - Basis of electrolysis Introduction - Terms associated with it - Oxidation and Reduction in terms of electron Transfer. - Characteristics of electrolysis 	<ul style="list-style-type: none"> - Calculation of M.M. - Lab visit to understand molar mass - % age calculation - Salt electrolysis - Nickel plating on utensils - electro chemical cell
4.	July	Ch-6 : Continue....	<ul style="list-style-type: none"> - Comparison between Ionisation & electrolytic Dissociation - E.C series - Selective discharge of ions - electrolysis of common Salt 	<ul style="list-style-type: none"> - Cu & Zn reactions - Alloys & their composition

Chemistry- 10

S.N.	Month	Topic	Sub Concept	Activity
		Ch-7 Metallurgy Ch-7 : Continue....	<ul style="list-style-type: none"> - Method used in extraction of metals in relation to the position of metals in E.C. series - Occurrence of metals - Graded properties of metals & metalic compounds - common terms used in metallurgy of 'Al' - Alloys & amalgam. 	<ul style="list-style-type: none"> - Projector based videos on metallurgy
5.	Aug.	Ch-8 : 8,9,10 HCL, NH ₃ , HNO ₃ , H ₂ SO ₄	<ul style="list-style-type: none"> - Occurrence - General Method for preparation - Laboratory Preparation - Chemical Properties - Uses of HCL - Test for HCL - Physical propeties 	<ul style="list-style-type: none"> - Reaction of HCL, NH₃, HNO₃, H₂SO₄, & uses in day to day & uses in day to day life.
6.	Sept.	Ch-11 : Organic Chemistry Ch-11 : Continue....	<ul style="list-style-type: none"> - Introduction - Comparision b/w. - Organic & Inorganic Compounds - Versatile nature - Classification of hydrocarbon - Alkyl group - Nomenclature - Homologous series - Isomerism - Alkane, Alkene Alkynes Preparation - Distinguishing Test for hydrocarbon saturated & unsaturated - Alcohol - Carboxylic acid 	<ul style="list-style-type: none"> - 3D Model representation of carbon compounds. - Wax - Oil - Lubricant composition in Samples - As a fuel calorific value - Distinguish test of alkane & Alkyne.
7.	Oct.	Exam		
8.	Oct/Nov.	Ch-4 Analytical Chemistry	<ul style="list-style-type: none"> - Colour different salt and their solutions. - Chemical RXns of soluble salt with NaOH solution - RXns with NH₄OH - Amphoteric Nature of Zn, Al, & lead metals its oxides & hydroxide. 	<ul style="list-style-type: none"> - Amphoteric nature of Zn, Al & Pb & their reactions.
9.	Dec.	Ch-12 : Practical Chemistry	<ul style="list-style-type: none"> - Detection of gases - Detection of cations - Detection of Ammonium Radicals - Detection of Anions - Identification of Compounds by dry heating. 	<ul style="list-style-type: none"> - Washing soda - PbCO₃ - SO₃²⁻ - Pb₃O₄ - HgO - Dry heating test.
10.	Jan/Feb.		Revision	

Syllabus

Round 1 : Ch : 1,2,3 (50 Marks)

Round 2 : Ch. : 1,2,3,5,6,7 (80 Marks)

Round 3 : Whole Syllabus (80 Marks)

Round 4 : Whole Syllabus (80 Marks) (Pre Borad)

Paper style:

Round 1 & 2 (All Questions are compulsory)

Section - 1 (All questions are compulsory)

1. MCQ
2. Blanks
3. Balanced
4. Fill ups
5. Reason type Q/A.

Section - 2 (All questions are compulsory)

1. Numericals
2. Formula Formation and equation formation
3. Empirical / M. F. Derivation & Solving.
4. Long type Q/A.
5. Long / Brief type Q/A. With examples.

Round 3, 4

Section : 1

1. Chemical equation
2. MCQ.
3. Blanks
4. Match Column
5. Choose Odd one
6. Short / Reason type Q/A
7. Balancing & Complete equations.

Section : 2

1. Definition and examples
2. Numericals
3. Long type Q/A
4. Tabular type Q/A
5. Identification of particular substance based practical test.
6. Complete picture / Diagram Q/A.

Note : Style and content of question may vary according to chapter and its matter.

STD 10 English Language

SR.NO	Month	Topic	SUB TOPIC	Activity
1.	June	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
		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
2.	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
3.	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
4.	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
5.	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

6.	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
7.	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
8.	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	- 50M
Round-2: Composition, Letter writing, Email, Notice, Grammar exercises	- 80M
Round-3: Composition, Letter writing ,Notice, Email, Comprehension ,Gram ex	- 50M
Round-4: Composition, Letter writing ,Notice, Email, Comprehension, Gram ex	- 80M

Paper Style – 10 (as per Board)

Q.1	Composition (300 – 350 words) anyone out of five	80m
Q.2	Write any one letter out of two (formal/informal)	20m
Q.3	(a) Notice	10m
	(b) Email writing	5m
Q.4	Comprehension	5m
Q.5	Grammar	20m
	(i) Fill in the blanks with the correct form of the word given in brackets	- 4m
	(ii) Fill in the blanks with appropriate words	- 4m
	(iii) Join the sentences without using and, but or so	- 4m
	(iv) Change sentences as per instructions given in bracket.	- 8m

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

Eng. Lit.- 10

S.N.	Month	Topic	Sub Concept	Activity
1	June	<p>Poem-7 : I know why the caged Bird sing</p> <p>Story-9 : My Greatest Olympic Prize</p> <p>Merchant of Venice Act-III Sc-2,3,</p> <p>Act-III Sc- 4,5</p> <p>Story -7 : The Little Match Girl</p>	<p>- Free bird compared with white Americans and caged bird with African - Americans.</p> <p>- Jesse Owens, Olympic Games, fiend, Luzlong, Adolf, Hitler's discrimination, Medal for broad jump</p> <p>- Bassanio undergoes casket test- wins - wedding ceremony, Messenger with Antonio's letter, Antonio in trouble.</p> <p>- Portia's Plan to go to Venice, arrangements. Humorous conversation between Launcelot and Jessica, teasing between the lovers.</p> <p>- Poor girl sells matches, cold, lit up matches, sat near a wall, finally died of cold.</p>	<p>Bio-sketch of Maya Angelou</p> <p>Read autobiography of Athlete Jesse Owens</p> <p>Role play</p> <p>Draw a character sketch of 'The Little Girl'</p>
2.	July	<p>Poem-8 : The Patriot</p> <p>Story - 8 : The Blue Bead</p> <p>Merchant of Venice Act-IV SC I & II</p>	<p>- A Patriot, welcomed grandly, changed situation, thrown stones by people, executed.</p> <p>- Sibia, the grass seller, crocodile attacked a woman, Sibia jumps hay fork into reptiles eyes, finds blue bead, joyous.</p> <p>- Trial scene, Shylock's revenge, arguments of Portia, penalty for Shylock.</p>	<p>Discussion on real patriotism</p> <p>Discussion on children's Bravery Awards.</p> <p>Dialogue session</p>
3.	Aug.	<p>Act IV : Continue.....</p> <p>Poem - 9 Abou Ben Adhem</p> <p>Merchant of Venice Act-V Sc-1</p> <p>Poem - 10 Nine Gold Medals</p>	<p>Abou wakes up in night, saw an angel, golden book, Abou's name on top, blessed by God.</p> <p>- Last act brings together the characters in the happy and harmonious atmosphere of Belmont</p> <p>- 100 yard race, nine athletes smallest among them full, All other eight players hold him, won race all together.</p>	<p>Spirituality versus materialism Debate.</p> <p>Dialogue session</p> <p>Write an article on 'Olympics'</p>
4.	Sep.	<p>Story 10 All summer in A Day</p> <p>Merchant of Venice Act-1 SC- 1,2,3</p>	<p>- Children of Venus planet, Margot from Earth, Sun for two hours, locked Margot, in closet.</p> <p>Revision</p>	<p>Documentary on The planets</p> <p>Critical analysis</p>
5.	Oct.		Round -2	
6.	Nov.	Poem - 1,2,3	Revision	Practice through Assignments
7.	Dec.	<p>Story - 1,2,3</p> <p>M to V Act-II SC- 1 to 9</p>	<p>Revision</p> <p>Revision</p>	Videos on stories and important questions
8.	Jan	<p>Poem -4,5,6</p> <p>Story-4,5,6</p>	Revision	Deigial support

Paper Style

Attempt 5 extracts in all out of 9. One extract is compulsory to attempt from each section

Section A - Drama

Section B - Poems

Section C - Stories

Pre board Exam (Whole Syllabus)

Treasure Prove :

Poems : 1 to 10

Stories : 1 to 10

MERCHANT OF VENICE (Drama)

Act-I = Sc-1,2,3

ACt-II - SC-1 to 9

Act-III- SC- 1 to 5

Act-IV - SC - 1,2

Act -V - SC-1

[illegible]

STD 10 PHYSICS				
SR.NO	Month	Topic	SUBTOPIC	Activity
1	June	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	July	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-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 	
		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-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"> • Numerical related to topic. • Experiment of resonance.

STD 10 PHYSICS				
SR.NO	Month	Topic	SUBTOPIC	Activity
1	June	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	July	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-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 	
		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-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"> • Numerical related to topic. • Experiment of resonance.

		Ch-6 Electromagnetic Wave & Spectrum	1. Combination of white light 2. Spectrum 3. Scattering and its application	<ul style="list-style-type: none"> Dispersion through prism
4	Sept	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
5	Oct	Ch-12 Nuclear Physics	1. Concept of Nuclear Structure 2. Properties of α, β, γ 3. Laws of Radioactive Emission 4. Nuclear Fusion & Fission	
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
7	Dec	Revision for UT 2		

SYLLABUS

Round 1:- Ch- 8, 9, 10, 1 (50 marks)

Round 2:- Ch- 1, 2, 3, 7, 8, 9 (80 marks)

Round 3:- Ch- 1, 2, 3, 4, 5, 8, 9, 10 (50 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 (25 marks) Attempt all the questions

Total five question Each question carries 5 marks overall

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

Section II (25 marks) Out of seven questions answer any five 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.

Std-10 Biology

SR.NO	Month	Topic	SUBTOPIC	Activity
1.	Jun	<p>Ch.1-The Cell An Independent Unit of Life</p> <p>Ch.8-The circulatory system</p> <p>Ch.9-The Excretory System</p> <p>Ch.12 Endocrine system</p>	<p>1. Shape ,Size and Structure of cell</p> <p>1. The blood 2. Blood group 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>Self – study</p> <p>Study the slide of Blood cells and Study the model of Human Heart</p> <p>Study the model of Human Excretory System</p> <p>-</p>
2.	Jul	<p>Ch.10-The Nervous system</p> <p>Ch. 11- The sense organs</p>	<p>1. Structure of Neuron 2. Central, Peripheral and Autonomic Nervous system 3. Reflex Action</p> <p>1. Structure of eye and ear</p>	<p>Study the model of Brain</p> <p>Study the model of Eyes & Ear</p>
3.	Aug	<p>Ch.2- Cell cycle, Cell division and structure of chromosome</p> <p>Ch.4-Absorption by root</p>	<p>1. Cell cycle 2. Types of cell division 3. Structure, size and shape of chromosome</p> <p>1. Root hairs and their features 2. Absorption and conduction of water & minerals 3. Root pressure and forces responsible for ascent of sap</p>	<p>To study the stages of mitosis</p> <p>To demonstrate the process of osmosis by Potato Osmoscope.</p> <p>To study the plasmolysis process in plant cells</p>

		Ch.16-Pollution and its sources	1. Air, water, soil, radiation and noise pollution 2.Greenhouse effect & Global warming	Self study
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Syllabus

Round 1 – 1,8,9,12 (50 Marks)

Round 2 – 2,8,9,10,11,12 (80 Marks)

Round 3 – 3,4,5,6 (50 Marks)

Round 4 – 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.

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	Aug	Minerals in India	<ul style="list-style-type: none"> - Minerals in India - Petroleum or Mineral Oil - Refineries in India 	Discussion Explanation
Ch-12(a)	Sep	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)	Oct	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: 1,6,7,&8.

Round 2 Syllabus: Ch: ,7,8,9,10 &11(Toposheet) India Map.

Round 3 Syllabus: Ch:- 7,8,9,10,11 ,12 & 13 Toposheet. India Map.

Round 4 Syllabus: Whole Book

(Pre- Board)

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.

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-adjourment 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	July	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	Aug	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	Sep	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		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	July	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)		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	Aug	The National Movement (1915-1934)	J. First World War and the national movement K. The Lucknow Pact, 1916 A.D. L. Joint Committee Report agt the Lucknow Session A. M.K Gandhi B. Gandhiji's 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	Brainstorming Discussion Explanation
CH-6		Quit India Movement	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.	Brainstorming Discussion Explanation
CH-7	Sep	Forward Bloc and INA	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.	Brainstorming Discussion Explanation
CH-8		Independence and Partition of India	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	Brainstorming Discussion Explanation

Contemporary World - Section: C

S.N.	Month	Topic	Sub Concept	Activity
CH-1	Oct	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-1,2,3 (Civics), 1,2,3,4(a)&(b),5,6,7&8 (History)

Round 3: Ch-4&5 (Civics), 1,2,3,4, 5,6 (ContemporaryHistory)

Round 4: Whole syllabus

Part-1 (30 Marks)

Section-A

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| Q1. 10 objective questions.(Civics) | 10 Marks |
| Q2. 10 questions of 2 marks each (History) | 20 Marks |

Part-2 (50 Marks)

Section-A (Civics)

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| Attempt any two questions from this section. | |
| 3 questions having 3 parts of 3, 3, 4 marks | 20 Marks |

Section-B(History)

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|---|----------|
| Attempt any three questions from this section | |
| 5 questions having 3 parts of 3, 3, 4 marks | 30 Marks |