Syllabus : 2021 - 22

Class : X

English Language - X	
Half Yearly Exam	**Preliminary Exam**
- Composition - Letter writing - E mail writing - Notice writing - Comprehension - Transformation of Sentences - Prepositions - Tenses	- Composition - Letter writing - E mail writing - Notice writing - Comprehension - Transformation of Sentences - Prepositions - Tenses
English Literature – X	

The Merchant of Venice   :
     Act III and Act IV
Treasure Trove : (Poems)
7 I know why the caged bird sings
8 The patriot
9 Abou Ben Adhem
     Short Stories
7 The little Match Girl
8 The Blue Bead
9 My Greatest Olympic prize
	The Merchant of Venice : Act V
	  + whole of IX and X half yearly syllabus
	
	Treasure Trove : (Poems)
	  10 Nine Gold Medals
	   + whole of IX and X half yearly syllabus
	
	     Short Stories
	10 All summer in a Day
	  + whole of IX and X half yearly syllabus

Hindi - X	
<u>साहित्य सागर संक्षिप्त कहानियॉ</u> 1 संदेह 2 जामुन का पेड 3 भेड और भेडिए 4 दो कलाकार <u>एंकाकी संचय</u> : 1 महाभारत की एक सॉझ 2 दीपदान <u>भाषा</u> 1 प्रस्ताव लेखन अभ्यास 2 पत्र लेखन अभ्यास 3 अपठित गद्यांश अभ्यास 4 पाठय पुस्तक पर आधारित व्याकरण अभ्यास	<u>भाषा</u> 1 साहित्य सागर – पुनराभ्यास 2 एंकाकी संचय – पुनराभ्यास 3 भाषा व्याकरण पर आधारित प्रश्न पत्र हल करना 2021 के प्रश्न प़त्र पर आधारित अभ्यास

Mathematics - X   (R.S. Agarwal, M . L. Agarwal)

Half Yearly Exam	Preliminary Exam

1. Trignometrical identities
2. Height and Distance
3. Linear Inequations
4. Quadratic equation
5. Problems on Quadratic equation
6. Ratio and Proportion
7. Remainder theorem and factor theorem
8. Matrices
9. Arithmetic progression
10. Geometric progression
11. Reflection
12. Section and mid point formula
13. Equation of a straight line
14. Volume and surface area of solids (Cylinder, cone & sphere)
15. Probability
	16. Similarity (as a size transformation)
	17. Similarity of Triangles
	18. Loci
	19. Angle and cyclic properties of a circle
	20. Tangent Properties of Circles
	21. Construction
	22. Statistics.
	   a) Graphical Representation of statistical data.
	   b) Measures of Central Tendency
	   c) Median, Quartile and Mode
	23. Goods and services Tax (G.S.T.)
	24. Shares and Dividends
	   …
	   (+ Half Yearly Syllabus)

Physics - X

1. <u>Force</u> :- contact, non – contact, turning force
2. Uniform circular motion
3. Work, power and energy
4. Calorimetry
5. Light
6. E, M. Waves and spectrum
7. Sound
 	
Books : i) Concise Physics
    ii) Goyal Publications
	1. a) Electricity concept
	   a) Resistance – combination of resistors
	   b) Ohm's law
	2. Electrical energy, power and household circuits.
	3. a) Electromagnetism
	   b) Magnetic effect of electric current
	   c) electromagnetic induction
	4. Electrons
	5. Nuclear physics
	   (+ Half Yearly syllabus)

Chemistry - X (Goyal Brother Publication)	
Half Yearly Exam	**Preliminary Exam**
1. Periodic Properties 2. Chemical Bonding 3. Mole concept and Stoichiometry 4. Organic chemistry 5. Metallurgy 6. Analytical Chemistry 7. Hydrogen Chloride	1. Sulphuric Acid 2. Electrolysis 3. Ammonia 4. Nitric Acid 5. Study of Acids, Bases and Salts (+ Half Yearly Syllabus)
Biology – X (Goyal Brother Publication)	
1. Cell 2. Cell cycle, Cell division and structure of Chromosomes. 3. Genetics. 4. Absorption by Roots 5. Transpiration 6. The Circulatory System 7. The Excretory System. 8. Basic idea of Human Evolution. 9. Pollution and its source	1. Photosynthesis 2. Chemical Co – ordination in Plants 3. The Nervous system and Sense organs 4. Endocrine system 5. The Reproductive System 6. Population and Related problems in India. 7. Effects of Pollution on climate and Environment. (+ Half Yearly Syllabus)
History and Civics – X ICSE History & Civics – IX (D. N. Kundra) Goyal	
History : 1. The First War of Independence 2. Factors Promoting the Growth of Nationalism and Foundation of the Indian National Congress 3. Programme and Achievements of the Early Nationalists 4. The Rise of Assertive / Radical Nationalism 5. Partition of Bengal, Swadeshi and Boycott Movement Civics : 1. The Union Legislature 2. The Union Executive 3. The Union Judiciary 4. The State Judiciary 5. Subordinate Courts	History : All the chapters Civics : All the chapters

Geography- X (Frank Educational Aids)	
Our Earth Comprehensive Geography : Part - II	
Half Yearly Exam	**Preliminary Exam**

1. Interpretation of Topographical Maps I, II
2. Climate of India.
3. Soil Resources in India.
4. Natural Vegetation
5. Water Resources
6. Mineral and Energy Resources – I, II
7. Agriculture in India – I, II, III
8. Transport
9. Waste Management (Impact of Waste Accumulation)
10. Waste Management (Need of Management of Waste)
Map Work
 	
▪ Maps of India
 	
  a) Mountains,   peaks and Plateaus
  b) Rivers
  c) Water Bodies
  d) Passes
  e) Longitude and Latitude
	Half yearly syllabus + Topics given below
	1. Manufacturing industries in India – I : Agro - based
	2. Manufacturing industries in India – II Mineral - based
	3. Waste Generation and Management
	4. Need and Method for Reducing, Reusing and Recycling Waste.
	Map Work
	▪ Maps of India
	a) The Desert – The Great Indian Desert
	b) Direction of Winds
	c) Distribution of Minerals
	d) Soil Distribution
	e) Cities.
	f) Population
	(+ Half Yearly Syllabus)

Commercial Studies – X (Dr. C.B. Gupta - Goyal Bros)	
1. Stakeholders in Commercial Organisation 2. Marketing and Sales 3. Advertising and Promotion 4. Final Accounts of Sole Proprietorship 5. Fundamental concept of cost 6. Sources of Finance 7. Logistics and Insurance 8. Banking 9. Striving for a better Environment	1. Consumer Protection 2. E – Commerce 3. Capital and Revenue Expenditure / Income 4. Budgeting 5. Recruitment, Selection and Training 6. Industrial Relations, Trade Unions and Social Security (Revision of Half Yearly Syllabus)

Computer Applications – X
(Book by Frank Bros. Publications)

Half Yearly Exam	Preliminary Exam
Chapters : 1. Basic concept of object and classes 2. Introduction of Java 3. Values and Types. 4. Operation 5. Class as the basis of all computation. 6. Conditional control structures. 7. Looping control structures 8. Methods / Functions 9. Class as defined data types. 10. Constructors	Chapters : 11 Using library classes 12 Arrays 13 Strings 14 Encapsulation and Inheritance (including half yearly chapters)