



SAINT JOHN'S ACADEMY, ALLAHABAD
SYLLABUS 2022-2023
CLASS X

NOTE: Pre Board Exam includes the entire years syllabus in all the subjects.

ENGLISH LANGUAGE

Book - Total English 10 ICSE (Morning Star)

Half-Yearly

<u>Month</u>	<u>Topics</u>
April	Composition: Descriptive Essay
April	Letter Writing: Formal (To the editor)
April	Letter Writing: Informal (To a friend)
April	Grammar: Tenses and their Uses- I Tenses and their Uses- II; Sequence of Tenses
April	Listening & Speaking skills
May	Compositions: Narrative
May	Notice Writing: Format + 1 Question
May	E-mail Writing: Format + 1 Question
May	Grammar: Transformation of Sentences - I
May	Listening & Speaking Skills
July	Grammar: Preposition
July	Compositions: Picture Study
July	Comprehension Passage: 1 passage
July	Grammar: Synthesis of sentences
July	Listening & Speaking Skills

Pre Board

<u>Month</u>	<u>Topics</u>
August	Compositions: Argumentative Essay
August	Letter Writing: Formal (To Higher Authorities)
August	Letter Writing: Informal (To Brother/ Sister)
August	Comprehension Passage: 1 passage
August	Grammar: Subject Verb Agreement
Sept.	Compositions: Short Story & Picture Study
Sept.	Notice Writing: 1 Question
Sept.	E-mail Writing: 1 Question
Sept.	Grammar: Conditional sentences
Sept.	Listening & Speaking Skills
Sept.	Grammar: Conditional Sentences
October	Compositions: Imaginative Essay
October	Letter Writing: Formal (To The Principal - Leave Application)
October	Grammar: Transformation of Sentences - II
November	Compositions: Reflective Essay
November	Comprehension Passage: 1 passage
November	Grammar: Transformation of Sentences - I (Revision)
Jan. & Feb.	Revision - All the Topics

ENGLISH LITERATURE

1) Merchant Of Venice (Beeta Publications)

2) Treasure Trove - A collection of ICSE Poems and Short Stories (Evergreen Publications)

Half-Yearly

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
April	7.	Poetry: I know why the caged Bird Sings
April	7.	Prose: The Little Match Girl
April		Play: Act 3 Scene 2
May		Play: Act 3 Scene 3
July		Play: Act 3 Scene 4
July		Play: Act 3 Scene 5
July	8	Poetry: The Patriot
July	8	Prose: The Blue Bead

Pre Boards

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
August	9.	Poetry: The Bangle Sellers
August	9.	Prose: My Greatest Olympic Prize
Sept.		Play: Act 4 Scene 1
Sept.		Play: Act 4 Scene 2
October	10	Poetry: Nine Gold Medals
October	10	Prose: All Summer in a Day
Nov.		Play: Act 5 Scene 1

MATHEMATICS

ICSE Foundation Mathematics for Class X By R.S. Agarwal (Goyal Brothers Prakashan)

Half-Yearly

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
April	1	GS.T.
April	2	Banking
April	3	Shares & Dividend
May	4	Linear Inequations
May	5 & 6	Quadratic Eq ^{ns}
July	7	Ratio and Proportion
July	8	Remainder Theorem & Factor Theorem

Pre Boards

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
August	9	Matrices
August	10	Arithmetic Progression
August	11	Geometric Progression
September	12	Reflection
September	13	Section & Mid - Point Formulae
September	14	Eqn of a Straight Line
October	15 & 16	Similarity

October	17	Loci
October	18	Angle & Cyclic Properties of a Circle
October	19	Tangent properties of Cicles
November	20	Constructions
November	21	Mensuration
November	22 & 23	Trigonometry
November	24, 25, 26	Statistics
November	27	Probability

HISTORY & CIVICS

Comprehensive History & Civics for ICSE Class 10 (Frank Educational Aids)

Half-Yearly

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
April	1	The Union legislature
April	1	The Indian National Movement (1857 - 1917)
	(a)	The First War of Independence
April	(b)	Factors leading to the growth of Nationalism
May	(c)	First Phase of the Indian National Movement (1885 - 1907)
July	2.	Mass Phase of the National Movement : 1915 - 1947
	(a)	Mahatma Gandhi

Pre Boards

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
August	b)	Forward Bloc
August	c)	Independence and Partition of India
	2)	The Union Executive
August	(a)	The President
August	(b)	The Vice President
Sept.	(c)	Prime Minister and the Council of Ministers
	3)	The Judiciary
Sept.	(a)	The Supreme Court
Sept.	(b)	The High Court
Sept.	(c)	Sub Ordinate Courts
	3)	The Contemporary World
Oct.	a)	The First World War
Oct.	b)	Rise of Dictatorship
Oct.	c)	The Second World War
Nov.	d)	United Nations
Nov.	e)	Non-Aligned Movement

GEOGRAPHY

A Text Book of ICSE Geography Class X (VEENA BHARGAVA)

Half-Yearly

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
April	5	Soils Resources in India
April	6	Natural vegetation

April	7	Water Resources
May	8	Mineral and Energy Resources - I
May	9	Mineral and Energy Resources - II
July	4	The Climate of India
		Interpretation of Topographical maps (a) Locating features with the help of a four figure or six figure grid reference. (b) Definition of contour and contour interval (d) Calculating areas using the scale. (e) Marking directions & between different locations, using 8 cardinal points. (h) Identification of natural and man made features.
		Map of India - Mountains, peaks, Plateaus; Desert, Rivers, Water bodies ; Direction of Winds; Distribution of Minerals; Soil Distribution

Pre Boards

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
August	10	Agriculture in India - I
August	11	Agriculture in India (Food Crops)
August	12	Agriculture in India (Cash Crops)
Sept.	13	Manufacturing Industries in India (Agro based)
Sept.	14	Manufacturing Industries in India (Mineral based)
Sept.	15	Transport
Sept.	16	Waste Management - Impact of waste Accumulation
Oct.	17	Waste Management - Need for management of waste
Oct.		Interpretation of Topographical maps (b) Identification of Landforms marked by contours. (c) Interpretation of colour tints and conventional symbols
Nov.		Interpretation of Topographical maps (d) Measuring distance using the scale (f) Identify - site of prominent village/ towns, types of land use, means of communication (g) Identification of drainage and settlement pattern
Nov.		Map of India - Plains, passes, latitude, longitude, Cities; Population

PHYSICS

Concise Physics Vol. II (Selina Publications)

Half-Yearly

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
April	1	Force
April	2	Work, Energy & Power, Machines
April-May	3	Machines
July	4 & 5	Refraction of Light at Plane & Curved Surfaces
July		Practicals - Determination of Focal length of a biconvex lens (u - v method).
August		Practicals - Tracing the different rays of light refracting through a rectangular glass slab and noting down different angles of incidence & refraction.

Pre Boards

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
August	6	Spectrum
August	7	Sound
Sept.	8	Current Electricity
Sept.	9	Household Circuit
Oct.	19	Electromagnetism
Nov.	11	Calorimetry
Nov.	12	Radioactivity
Oct. & Nov.		Practicals - Verification of Ohm's Law
Oct. & Nov.		Practicals - Finding the unknown resistance of a given sample of wire using a simple D.C. circuit.

CHEMISTRY

Concise Chemistry Vol. II (Selina Publications)

Half-Yearly

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
April	1	Periodic properties and variation of properties
May	2	Chemical Bonding
July	3	Study of acids, bases and salts
July		Practical: Test for Cations (Action of Sodium Hydroxide or Ammonium Hydroxide)

Pre Boards

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
August	4	Analytical Chemistry
August	5	Mole concept and Stoichiometry
Sept.	6	Electrolysis
Sept.	7	Metallurgy
Oct.	8	Study of compounds
Nov.	9	Organic Chemistry
Nov.		Practicals: Test for anions (Action of conc. HCl on given substance)

BIOLOGY

Concise Biology Class X (Selina)

Half-Yearly

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
April	1	Cell Cycle & Cell Division
April	2	Structure of Chromosome
April - May	3	Genetics
May	4	Absorption by roots
July	5	Transpiration
July	6	Photosynthesis

Practicals

April	1	Practical: Observation of permanent slide of stages of mitosis.
May	4	Practical: Experiments demonstrating Diffusion - using potassium permanganate in water. Osmosis - Thistle funnel experiment and potato osmoscope. Absorption - in a small herbaceous plant.
July	5.	Experiments on Transpiration Demonstration of the process using a bell jar demonstration of unequal transpiration in a dorsiventral leaf using a cobalt chloride paper. Demonstration of Uptake of water and the rate of transpiration using Ganong's potometer.
July	6.	Experiments on photosynthesis to show the necessity of light, CO ₂ and chlorophyll for photosynthesis To show the release of O ₂ during photosynthesis using hydrilla/ elodea

Pre Boards

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
August	7	Chemical Coordination in plants
August	8	Circulatory system
Sept.	9	Excretory system
Sept.	10	Nervous System & Sense Organ
October	11	Endocrine system
October	12	Reproductive system
Nov.	13	Population
Nov.	14	Human Evolution
Nov.	15	Pollution

Practicals

August	8	Structure of heart (internal) Identification of different types of blood cells under a microscope.
August	9	Identification of the structure of Urinary system & Kidney
Sept.	10	Identification of the structure of ear & eye.
Oct.	11	Identification and location of selected endocrine glands - Adrenal, Pancreas, Thyroid and Pituitary gland.

COMPUTER APPLICATIONS

Computer Applications Class X (Dhanpat Rai and Co.)

Half-Yearly

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
April	1	Revising Basic Java Concepts
April	2	Class as Basis of All Computation
April	3	User Defined Method
May	4	Constructors
May	5	Using Library Classes
July	6	Encapsulations
July	7	Arrays (Searching & Bubble Sort)

Pre Boards

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
August	7	Arrays (Selection sort, 2D Array)
Sept.	8	String
Oct.	9	Miscellaneous Programs

COMMERCIAL APPLICATIONS

Commercial Applications Class X (Goyal Brothers Prakashan)

Half-Yearly

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
April	1	Markets & Marketing
April	2	Marketing Mix
May	3	Advertising & Brand Promotion
May	4	Sales & Selling Process
July	5	Generally Accepted Accounting Principles

Pre Boards

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
August	6	Financial Accounting & Reporting
August	7	Banking & Bank Transactions
Sept.	8	Fundamental Concepts of Cost
Sept.	9	Importance of Human Resources
Sept.	10	Recruitment, Selection & Training
Oct.	11	Public Relation
Nov.	12	Issues of the environment.

VALUE EDUCATION

Living in Harmony - Class 10 Oxford School Education

Pre Boards

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
April	1	Multiple Me
May	2	Bringing up your Parents

Finals

<u>Month</u>	<u>Ch. No.</u>	<u>Topics</u>
July	3.	Sexuality
August	4.	The 3'R's of Harmony
Sept.	5.	One Country, Many Worlds
Nov.	6.	Understanding Violence, Understanding Peace