



SAINT JOHN'S ACADEMY, ALLAHABAD
SYLLABUS 2018-2019
CLASS XI

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

ENGLISH LANGUAGE -

Book - Total English II ISC (Morning Star)

Month	Half Yearly
April	Agreement of Subject and Verb
April	Tenses and their uses 1 and 2
May	Comprehension Passage: Practice Paper 2
May	Active and Passive Voice
May	<u>Compositions</u> :- Argumentative
May	<u>Directed Writing 1</u> : FIR
May	Sequence of Tenses
May	Conditional Sentences - 1
July	<u>Compositions</u> :- Narrative; Descriptive
July	<u>Directed Writing</u> : Film Review; Article Writing; Book Review
July	<u>Directed Writing 2</u> : Speech Writing
July	Transformation of Sentences - 1
July	Phrasal Verbs [Units 1 - 6]
August	<u>Compositions</u> :- Reflective
August	<u>Directed Writing 2</u> : T.V. Show Review, Proposal Writing
August	Comprehension Passage: Practice Paper 6
August	Homophones 1 and 2
August	Use of Adjectives
Sept.	<u>Directed Writing 2</u> : Theatre Review; Concert Review
Sept.	Conditional Sentences - 2
Sept.	Direct and Indirect Speech
October	<u>Directed Writing 2</u> : Review of a Cultural Programme
October	Correct use of words - 1 and 2
October	Practice Paper 2 [Question 3]
Month	Finals
Nov.	<u>Compositions</u> :- Short Story Writing
Nov.	<u>Directed Writing 3</u> : Newspaper Report; Travel Brochure
Nov.	Comprehension Passage: Practice Paper 12
Nov.	Use of Since and For
Dec.	Use of Multiple Prepositions 1 and 2
Dec.	Transformation of Sentences - 2
Jan.	<u>Directed Writing 3</u> : Personal Profile
Jan.	Phrasal Verbs
Feb.	<u>Directed Writing 3</u> : Statement of Purpose; Testimonial

ENGLISH LITERATURE -

Book:- The Tempest (S. Chand)

Echos: A collection of ISC Short Stories (Evergreen Publications)

Reverie: A collection of ISC Poems (Evergreen Publications)

Month	<u>Half Yearly</u>
April	Prose: Salvatore - W. Somerset Maugham
July - Aug.	Play: Act I Scene 1 and 2
May	Prose: Fritz - Satyajit Ray
April	Poetry: Birches - Robert Frost
May	Prose: To Build a Fire - Jack London
August	Prose: Quality - John Galsworthy
August	Poetry: The Darkling Thrust - Thomas Hardy
Sept.	Play: Act II Scene 1 and 2
Sept.	Poetry: Dolphins - Carol Anne Duffy
Month	<u>Finals</u>
Oct.	Play: Act III Scene 1 and 2
Nov.	Poetry: The Gift of India - Sarojini Naidu
Nov.	Play : Act III Scene 3
Dec.	Prose: The Story of the Hour - Kate Chopin
Jan.	Prose: The Chinese Statue - Jeffery Archer
Jan.	Poetry: Crossing the Bar - Alfred Lord Tennyson

MATHEMATICS -

Book - ISC Mathematics for Class XI By M.L. Agarwal (APC)

Month	<u>Half Yearly</u>
	Section A
April	Linear Inequalities
April	Quadratic Equations
April	Sets
May	Principle of Mathematical Induction
July	Sequences and Series
July	Trigonometry
Aug.	Permutation and combinations
Aug.	Binomial Theorem
Oct.	Relations and functions
Oct.	Straight Lines
	Section B
Sept.	Conic Sections, Complex Numbers
Month	<u>Finals</u>
	Section A
Nov.	Circles
Nov. - Dec.	Limits and Derivatives

Dec.	Statistics
Jan.	Probability
	Section B
Jan.	Introduction to Three - Dimensional Geometry
Jan.	Mathematical Reasoning

CHEMISTRY

Book - ISC Chemistry for Class XI (Nageena Prakashan)

Month	Half Yearly
April	Some basic concept of Chemistry
April	Structure of atom
April	Practical :- Acid - base titration involving molarity
May	Redox reactions, Hydrogen
July	Practical :- Qualitative analysis
July	Organic Chemistry - Some basic principles and techniques
July	Practical :- Qualitative Analysis
August	Hydrocarbons, Environmental Chemistry
August	Classification of elements & Periodicity in prop.
Month	Finals
Sept.	Equilibrium
Sept.	Practical :- Acid base titration
Sept.	S - Block elements
Sept.	Practical :- Qualitative analysis
October	Chemical bonding & Molecular structure
November	States of matter - Gases and Liquids
November	Project
December	Thermodynamics
January	P-Block elements

PHYSICS-

Book - Nootan Physics For Class XI (Nageen Prakashan)

Month	Half Yearly
April	Units and Measurements
April	Motion in a straight line
	Practicals: To measure the diameter of a spherical body using Vernier Calliper and to calculate its volume.
April - May	Motion in a plane
May	Laws of motion
July	Work, Energy and Power
July	Mechanical Properties of solids
July	Practicals: Find the diameter of a wire using a micrometer screw gauge and determine percentage
July	Demonstrations: Scarl's method to determine Young's Modulus of Elasticity.
August	Mechanical Properties of fluids
August	Practicals: To find acceleration due to gravity by measuring variation in time period with effective length, plot T Vs. \sqrt{l} and T^2 Vs. l graph. Use of spherometer to find radius of curvature.
Sept.	Kinetic Theory of Gases

	Systems of Particles & rotational motion
	Finals
Sept.	Gravitation
Sept.	Practicals: To find the force constant of spring and to study variation in time period of oscillation.
Sept.	Demonstration: Capillary rise method to determine surface tension.
October	Thermal Properties of Matter
October	Practicals: To find the value of 'g' by plotting opf graph T against \sqrt{M}
November	Thermodynamics
November	Practicals: To determine frequency of turning fork using a sonometer.
November	Project: Any one topic of their choice from the suggested topics before final exams.
December	Oscillations
January	Waves

BIOLOGY -

Book - Nootan Biology For Class XI (Nageen Prakashan)

Month	Half Yearly
April - May	1. Diversity of living organisms (a) Living world (b) Biological classification (c) Plant kingdom (d) Animal kingdom
April - May	Practicals:- 1. <i>Physiology</i> (a) <i>Food Test</i> (b) <i>Effect of heat and alcohol on permeability of beet Root Cells.</i>
July	2. Structural organisation in Animals & Plants (a) Morphology of flowering plants (b) Anatomy of flowering plants (c) Structural organisation in Animals (i) Animals Tissue (ii) Cockroach
July	Practicals:- (c) <i>Effect of CO₂ conc. on rate of photosynthesis.</i> (d) <i>Demonstration of Plasmolysis.</i> (e) <i>Demonstration of osmosis</i>
July	2. Morphology (a) <i>Morphology and modification of roots, stems, leaves</i>
August	3. Plant Physiology (a) Transport in plant (b) Mineral Nutrition (c) Photosyntheis in higher plants (d) Respiration in plants (e) Plant growth and development
August	Practicals:- 3. Cytology <i>Preparation of temporary slides</i> (a) <i>Onion peel</i>

	(b) T.S. of Monocot and dicot stem. 4. Spotting
Sept.	Practicals:- 1. Morphology (a) Preparation of temporary slides of mucar/ Rhizopus
	Finals
	4. Cell: Structure and function (i) Cell unit of life (ii) Biomolecules (iii) Cell cycle and cell division
Nov., Dec. - Jan.	5. Human Physiology (a) Digestion and Absorption (b) Breathing and exchange of Gases (c) Body fluids and circulation (d) Excretory products and their elimination (e) Locomotion and movement (f) Neutral control and coordination (g) Chemical coordination and Integration
Oct. - Nov.	Practicals 2. Cytology (a) Stages of mitosis in onion root tip. (b) T.S. of monocot and dicot root.
Nov.	Project
Dec.	Practicals 3. Comment on experimental set up studied in Physiology

ACCOUNTS

Book - ISC Accounts Vol. I (Avichal Publications)

Month	Half Yearly
April - May	Introduction to Accounting Accounting Concepts
July	Journal, Ledger and Trial Balance
August	(a) Sub - division of Journal Depreciation
Sept.	Bank Reconciliation Statement
Sept.	Bills of Exchange
	Finals
Oct.	Rectification of Errors
Nov. - Dec.	Final accounts without Adjustments Final accounts with Adjustments
Nov.	Projects (Any two of the following) 1. Preparation of Journal, Ledger, T.B. of a financial organisation on the basis of case study. 2. Preparation of Accounts of Non Profit organisation. 3. Prepare a Bank Reconciliation Statement & amended Cash Book from given information.
Jan.	Accounts from incomplete Records Non Trading organisations

ECONOMICS

Book - Frank ISC Economics for Class XI (Frank Brothers)

Month	<u>Half Yearly</u>
April	Definition of Economics
April	Basic Concepts of Economics
July	Basic Problems of an Economy
July	Types of Economics
July	Solutions to the Basic Economic Problems
July	The State of the Indian Economy on the Eve of Independence
August	Economic Growth & Development
August	Parameters of Development
August	Planning & Economic Development
	<u>Finals</u>
Sept.	Structural Changes in the Indian Economy after Liberalisation
Sept.	The Problem of Poverty in India
Sept.	Profile of Indian Agriculture
Oct.	Human capital Formation
Oct.	Employment & Unemployment in India
Nov.	Definition, Scope & Limitations of Statistics
Nov.	Project- 1. Study consumer awareness amongst households through designing questionnaire and collection of primary data. 2. Study the detail of South Asian Associations for Regional Cooperation (SAARC) and its impact on Indian economy. 3. Prepare a report on the various poverty alleviation and employment generation programmes started in India.
Dec.	Collection, Organisation & Presentation of Data
Dec.	Measures of Central Value
Jan.	Measures of Dispersion
Jan.	Correlation
Jan.	Index Number

COMMERCE

ISC Commerce Vol. I for Class XI (S.Chand)

Month	<u>Half Yearly</u>
April - May	Nature and Purpose of business
July	Forms of Business organisations (a) Introduction to business organisations (b) Sole Trader (c) Partnership
August	Forms of Business organisations (d) Corporate Organisations - (I) Joint stock (ii) Types (iii) Formation
Sept.	Forms of Business organisations (e) Public Sector Undertakings

	(f) Co-operative Organisations
	Social Responsibility of Business & Business ethics
Oct.	Emerging modes of Business
	Stock Exchange
	Wholesalers
	Finals
Nov. - Dec.	Retail Trade
	Documents used in Home Trade
	Role of chambers of Commerce & Industry
Nov.	Project (Any two of the following) 1. Study of daily use of consumer Product. 2. Development of partnership firm 3. Details of five insurance policies
January	Foreign Trade (a) Export Trade (b) Import Trade (c) Documents involved in International Trade (d) World Trade Organisations
	Insurance

COMPUTER SCIENCE

Book :- ISC Computer Science for Class XI (Dhanpat Rai and Co.)

Month	Half Yearly
April	Numbers, Encodings
May	High Level Structure of Computer
July	Introduction To Algorithm Problem Solving, Objects, Primitive Values, Wrapper Classes, Types and Casting
August	Variables and Expressions, Statements and Scope Functions, Arrays and Strings
Sept.	Elementary Data Structures and Associated Algorithms, Basic Input / Output (a)
	Finals
Oct.	Elementary data structures and associated algorithms; Basic Input/ Output (b) and (c)
Nov.	Implementation of algorithms to solve problems
Jan.	Social Context of Computing and Ethical Issues
Jan.	Assignments

HISTORY

ISC History Class XI (Kalyani Publishers)

Month	Half Yearly
April - May	1. Growth of Nationalism
July	2. Emergence of the colonial economy
July	3. Social and Religious Movements
August	4. Protest Movements against Colonial Rule
August	7. Impact of the Second phase of industrialization in

	Europe during the late 19 th and early 20 th centuries
Sept.	8. World War I
Sept.	9. Peace Settlements after World War I and establishment of the League of Nations
Sept.	Project
	Finals
Oct.	5. Gandhian nationalism (1916 - 1922)
Oct.	6. Gandhian nationalism (1927 - 1934)
Nov.	10. The Great Depression
Nov.	11. Rise of Communism : Russia (1917 - 1939)
Dec.	Rise of Fascism: Italy (1919 - 39)
Jan.	Rise of Nazism: Germany (1933 - 39)
Jan.	Rise of Militarism (1919 - 37)

POLITICAL SCIENCE

ISC Political Science Class XI (Kalyani Publishers)

Month	Half Yearly
April - May	1. Introduction to Political Science
July	2. The Origin of the State
July	3. Political Ideologies
August	4. Sovereignty
Sept.	9. End of Cold War and its impact on the World Order
Sept.	10. Unipolar World
	Finals
Oct.	7. Equality
Oct.	8. Justice
Nov.	5. Law
Nov. - Dec.	6. Liberty
Nov.	Project
Jan.	11. Regional Cooperation
Jan.	12. The Non Aligned Movement

HINDI

Half Yearly

1- v'kk<+ dk ,d fnu		i`'B la[;k
July – Sept.	izFke vad	1 - 26
2- dkO; eatjh		
May	Lkk[kh ¼dchj nkl½	
July	ckyyhyk ¼lwjnk½	
August	,d Qwy dh pkg ¼fl;kjke “kj.k xqlr½	
3- x ladyu		
Aug. - Sept.	iq= izse ¼izse pan½	
	xkSjh ¼lqHkæk dqekjh pkSgku½	
	“kj.kkxr ¼o` ankou yky oekZ½	
4- fucU/k		
April	fucU/k & HkkokRed	

August	fucU/k & fopkjkRed
September	fucU/k & o.kZukRed] lelkef;d
5- vifBr x ka”k	
6- O;kdj.k	
May	1- eqgkojs] vFkZ ,oa okD; iz;ksxA
October	2- okD; “kq) dhft,A

Finals

1- v’kk<+ dk ,d fnu		i`’B la[;k
Dec. , Jan.	izFke vad f}rh; vad 50 - 66	27 - 49
2- dkO; eatjh		
Nov. , Dec.	vk% /kjrhdruk nsrh gS ¼lqfe=k uUnu iar½	
January	unh ds }hi ¼vKs;½	
3- x ladyu		
December	lrh ¼f”kokuh½	
February	vkmV lkmMj ¼ekyrh tks”kh½	
4- fucU/k		
December	fucU/k & lwfDr;ksa ij vk/kkfjr	
January	fucU/k & dgkuh ij	
February	fucU/k & lkekftd leL;k	
5- vifBr x ka”k (January)		
6- O;kdj.k		
December	1- okD; “kq) dhft,A	
January	2- eqgkojs] vFkZ ,oa okD; iz;ksxA	

END