

THE JAIN INTERNATIONAL SCHOOL

KANPUR

Syllabus Booklet

2023-24

Class-XI

THE JAIN INTERNATIONAL SCHOOL			
THE JAIN WORLD SCHOOL			
CLASS XI			
BOOKS RECOMMENDED FOR SESSION 2023-24			
S.N.	SUBJECT	BOOK NAME	ISHER
1	English	1.Hornbill	NCERT
		2. Snapshot	NCERT
		3. Pull out worksheet (without Solution)	Together with
2	Physics	1. NCERT- Physics	NCERT
		2. New Simplified Physics by S. L. Arora	Dhanpat Rai
		3. Lab Manual	Together with; Rachna sagar
3	Chemistry	1. NCERT- Chemistry	NCERT
		2. ABC Chemistry	Modern
		3. Lab Manual	Together with; Rachna sagar
4	Maths	1. Mathematics Text Book	NCERT
		2. Mathematics by R S Agarwal	Bharti Bhawan
		3. Mathematics Lab Practical	Together with; Rachna sagar
5	Biology	1. NCERT- Biology	NCERT
		2. Lab Manual	Together with
6	Accountancy	Double entry Book Keeping by T S Grewal	Sultan Chand
7	B. Studies	B. St. by Poonam Gandhi	V K global
8	Economics	T R Jain	V. K. Goel
		TR Jain	V. K. Goel
9	Computer Sci	Computer Science with Python	S. Chand
10	IP	Information practices by Sumita Arora	Dhanpat Rai
11	P. Education	1. Physical Education	Saraswati
		2. Lab Manual	Saraswati
12	Hindi	1. Aaroh Vol.-1	NCERT
		2. Vitan vol.- 1	NCERT
		3. Abhivyakti Avam Madhyam	NCERT
13	History	Themes in world history	NCERT
14	Applied Maths	M. L. Agarwal	APC
* All the books must be as per the CBSE revised edition of Session 2023-24.			

Class –XI ENGLISH			
MONTH		TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	Lit. Lang	Hornbill: The Portrait of a lady, We are not afraid to Die... if we can all be together, Discovering Tut Poem: A Photograph, The Laburnum Top Snapshots: The Summer of the beautiful White Horse Reading Comprehension	
MAY	Lit. Lang	Snapshots: The address Poem: The Voice of the Rain Classified advertisement, Debate	<u>Class Test – 1</u> Hornbill: The portray of a Lady Poem: A photograph Snapshots: The Summer Of A beautiful White Horse Lang: Rearrangement
JULY	Lit. Lang	Hornbill: The Ailing Planet Snapshots: Mother's Day Poem: The Voice of the Rain Poster, Note Making, Speech, Debate	<u>Unit Test – 1</u> Hornbill: Landscape of the Soul We're Not Afraid to Die..if We Can All Be Together Discovering Tut, the Saga Continues Poem - The Laburnum top Snapshots: Mother's Day Lang: Comprehension, Advertisement, Subject Verb Agreement, Poster, Debate, Speech
AUG	Lit. Lang	Hornbill: The Adventure Poem: Childhood Gap Filling (Tenses, Clauses)	
SEPT	Lit. Lang	Hornbill: Silk Road, Father to Son Reordering, Transformation of Sentences	<u>Half Yearly Examination</u> Hornbill: The Portray of a Lady, A Photograph, We are not afraid to Die... if we can all be together, Discovering Tut, The Laburnum Top, Landscape of the Soul, The Voice of the rain Snapshot: The Summer of the beautiful white horse, The Address, Mother's Day Lang: Comprehension, Poster, Debate Writing, Advertisement, Speech writing, Subject Verb Agreement
OCT	Lit. Lang	Snapshots: Birth, The Tale of Melon City Subject Verb Agreement	
NOV	Lit. Lang	Revision	<u>Class Test - 2</u> Hornbill: Silk Road, Childhood(poem) Snapshots: Birth
DEC	Lit. Lang	Revision	<u>Unit Test – 2</u> Hornbill: The Adventure Poem: Father to Son Snapshots: Birth Lang: Comprehension, Advertisement, Poster, Speech, Debate, Grammar
JAN	Lit. Lang	Revision	
FEB MAR		Revision	<u>Annual Examination</u> Complete Syllabus

Class –XI MATHEMATICS		
MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	Ch-1 Set	
MAY	Ch- 6 Linear Inequality	<u>Class Test – 1</u> Ch-1 Set
JULY	Ch-3 Trigonometric Functions Ch-9 Sequences and series	<u>Unit Test – 1</u> Ch-1 Set Ch- 6 Linear Inequality
AUG	Ch-2 Relations and Functions	
SEPT	Ch-5 Complex and Quadratic Equation	<u>Half Yearly Examination</u> Ch-1 Set Ch- 6 Linear Inequality Ch-3 Trigonometric Functions Ch-9 Sequences and series Ch-2 Relations and Functions
OCT	Ch-10 Straight Lines Ch-12 Introduction to 3D Geometry	
NOV	Ch-13 Limit and Derivatives Ch-7 Permutations and Combinations	<u>Class Test - 2</u> Ch-10 Straight Lines
DEC	Ch-8 Binomial Theorem Ch-11 Conic Sections	<u>Unit Test – 2</u> Ch-13 Limit and Derivatives Ch-7 Permutations and Combinations
JAN	Ch- 15 Statistics Ch-16 Probability	
FEB MAR	Revision	<u>Annual Examination</u> Full Syllabus

Class –XI PHYSICS		
MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	Ch–2: Units and Measurements Practical 1 To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.	
MAY	Ch–3: Motion in a Straight Line Practical 2: To measure diameter of a given wire and thickness of a given sheet using screw gauge.	<u>Class Test – 1</u> Ch–2: Units and Measurements
JULY	Ch–4: Motion in a Plane Ch–5: Laws of Motion Practical 3 To find the weight of a given body using parallelogram law of vectors.	<u>Unit Test – 1</u> Ch–2: Units and Measurements Ch–3: Motion in a Straight Line

AUG	Ch-6: Work, Energy and Power Ch-7: System of Particles and Rotational Motion Practical 4 Using a simple pendulum, plot its L-T ² graph and use it to find the effective length of second's pendulum.	
SEPT	Ch-8: Gravitation. Practical 5 To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface	<u>Half Yearly Examination</u> Ch-2: Units and Measurements Ch-3: Motion in a Straight Line Ch-4: Motion in a Plane Ch-5: Laws of Motion
OCT	Ch-9: Mechanical Properties of Solids Ch-10: Mechanical Properties of Fluids Ch-11: Thermal Properties of Matter Practical 6 To find the downward force, along an inclined plane, acting on a roller due to gravitational pull of the earth and study its relationship with the angle of inclination θ by plotting graph between force and $\sin\theta$.	
NOV	Ch-12: Thermodynamics Ch-13: Kinetic Theory Practical 7 To find the force constant of helical spring by plotting a graph between load and extension.	<u>Class Test - 2</u> Ch-8: Gravitation
DEC	Ch-14: Oscillations Practical 8 To study the relationship between the temperature of a hot body and time by plotting a cooling curve.	<u>Unit Test – 2</u> Ch-9: Mechanical Properties of Solids Ch-10: Mechanical Properties of Fluids Ch-11: Thermal Properties of Matter
JAN	Ch-15: Waves	
FEB MAR	Revision	<u>Annual Examination</u> Ch-2: Units and Measurements Ch-3: Motion in a Straight Line Ch-4: Motion in a Plane Ch-5: Laws of Motion Ch-6: Work, Energy and Power Ch-7: System of Particles and Rotational Motion Ch-8: Gravitation Ch-9: Mechanical Properties of Solids Ch-10: Mechanical Properties of Fluids Ch-11: Thermal Properties of Matter Ch-12: Thermodynamics Ch-13: Kinetic Theory Ch-14: Oscillations Ch-15: Waves

Class –XI CHEMISTRY		
MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	Ch-1 Some basic concept of chemistry Practical: Salt analysis [Cation: Group 0 Anion: Carbonate]	
MAY	Ch-2 Atomic structure Practical: Salt analysis [Cation: Group I Anion: Acetate]	<u>Class Test – 1</u> Ch-1 Some basic concept of chemistry
JULY	Ch-2 Atomic structure Ch-3 Periodic classification of elements and periodic properties Practical: Salt analysis [Cation: Group II, III, Anion: Acetate, Nitrate]	<u>Unit Test – 1</u> Ch-1 Some basic concept of chemistry Ch-2 Atomic structure
AUG	Ch-4 Chemical Bonding Practical: Salt analysis [Cation: Group IV, Anion: Sulphate, chloride]	
SEPT	Ch-7 Redox Reactions Practical: Revision	<u>Half Yearly Examination</u> Ch-1 Some basic concept of chemistry Ch-2 Atomic structure Ch-3 Periodic classification of elements and periodic properties Ch-4 Chemical Bonding Ch-7 Redox Reactions
OCT	Ch-5 Thermodynamics Practical: Salt analysis [Cation: Group V, Anion: Chloride, acetate]	
NOV	Ch-6 Equilibrium Practical: Volumetric Analysis [Preparation of standard solution of oxalic acid]	<u>Class Test - 2</u> Ch-5 Thermodynamics
DEC	Ch- 8 Organic chemistry : Some basic principles and techniques. Practical: salt analysis revision	<u>Unit Test – 2</u> Ch-5 Thermodynamics Ch-6 Equilibrium
JAN	Ch- 9 Hydrocarbons	
FEB MAR	Revision	<u>Annual Examination</u> FULL SYLLABUS

Class –XI BIOLOGY		
MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	Ch-1.The living World. Ch_2.Biological Classification Ch_3.Plant kingdom. Practical-*Specimen/ Slides and identification with reason Bacteria, Spirogyra, Rhizopus, Mushroom, Yeast, Liverworts, Moss, Fern, Pine, One Monocotyledons plant, one Dicotyledonous plant, one Lichen.	
MAY	Ch_4Animal Kingdom. Ch_5.Morphology of flowering plants. Practical- *Virtual specimen/Slides/Models and identifying features of Amoeba, Hydra, Liver flukes, Ascaris, Leech, Earth Worm, Prawn, Honey Bee, Snail, Starfish, Shark, Rohu, Frog, Lizard, Pigeon and a Rabbit.	<u>Class Test – 1</u> Ch-1.The living World. Ch_2.Biological Classification Ch_3.Plant kingdom.
JULY	Ch_6 Anatomy of Flowering plants Ch_7 Structural Organization in Animals. Practical-*Preparation and study of T.S. of dicot and monocot roots and stems.	<u>Unit Test – 1</u> Ch-1.The living World. Ch_2.Biological Classification Ch_3.Plant kingdom. Ch_4Animal Kingdom. Ch_5.Morphology of flowering plants
AUG	Ch_ 8.Cell : The Unit of Life. Ch_9.Biomolecules Ch_10.Cell Cycle and Cell division. Practical-*Mitosis in onion root tip cells *Study and describe flowering plants family dissection floral formula and floral diagrams	
SEPT	Ch-11.Photosynthesis in Higher Plants. Ch-12.Respiration in plants. Practical-Preparation and study of T.S. of dicot and monocot roots and stems.	<u>Half Yearly Examination</u> Ch_1.The living World Ch_2.Biological Classification Ch_3.Plant kingdom. Ch_4Animal Kingdom. Ch_5.Morphology of flowering Ch_6 Anatomy of Flowering plants Ch_7 Structural Organization In Animals. Ch_8 Cell the unit of life. Ch_9.Biomolecules Ch_10.Cell cycle and cell division.
OCT	Ch_13.Plant Growth and Development. Ch_14.Breathing and Exchange Of Gases Practical-*Study of Osmosis and plasmolysis. *Study of distribution of stomata on the surface of leaves. * Study of rate of transpiration in the upper and lower surface of leaves.	
NOV	Ch_15.Body Fluids and Circulation. Practical- Test for the presence of sugar, starch, protein and fats in suitable plant and animal materials.	<u>Class Test - 2</u> Ch-11.Photosynthesis in Higher Plants
DEC	Ch_16.Excretory Products and their Elimination.	<u>Unit Test – 2</u>

	Ch_17. Locomotion and Movement. Practical-Human skeleton and different types of joints with the help of virtual images / models only.	Ch_11.Photosynthesis in Higher Plants. Ch_12.Respiration in plants. Ch_13Plant Growth and Development. Ch_14.Breathing and Exchange of Gases. Ch_15.Body Fluids and Circulation. Ch_16.Excretory Products and their Elimination.
JAN	Ch_18.Neural Control and Coordination. Ch_19. Chemicals Coordination and Integration.	
FEB MAR	Revision.	<u>Annual Examination</u> Full Syllabus.

Class –XI ACCOUNTANCY		
MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	Ch-Introduction of Accounting	
MAY	Ch- Basic Accounting terms Ch-Theory base of Accounting	<u>Class Test – 1</u> Introductions of Accounting
JULY	Ch- Basis of Accounting	<u>Unit Test – 1</u> Introduction of Accounting Basic Accounting terms Theory base of accounting Basis of accounting
AUG	Ch- Rules of debit and credit Ch- Accounting equation Ch-Journal Ch-ledger Ch- Trial balance	
SEPT	Ch- Cash book Ch- Subsidiary books Ch- Accounting for GST	<u>Half Yearly Examination</u> Rules of debit and credit Accounting equation Journal ledger Trial balance Cash book Subsidiary books
OCT	Ch- Bank Reconciliation Statement Ch- Reserves and provisions Ch- Depreciation	
NOV	Ch- Rectification of errors Ch- Financial account of sole proprietorship	<u>Class Test -2</u> Bank reconciliation statement
DEC	Ch- Financial account of sole proprietorship (Adjustments) Ch- Accounting for incomplete records	<u>Unit Test – 2</u> Reserves and provisions Depreciation Rectification of errors
JAN	Revision	
FEB MAR	Revision	<u>Annual Examination</u> Full syllabus as per CBSE

Class –XI ECONOMICS		
MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	Part B Ch 1- Economics and Economy Ch 2- Central Problems of an Economy Ch 3 - Consumer's Equilibrium - Utility Analysis Part A Ch 1- Concept of Economics and Significance of statistics Ch 2- Collection of data Ch 3- Census and Sample Method of Collection of Data Ch 4- Organisation of Data	
MAY	Part A Ch 5 - Presentation of Data Ch 6 - Diagrammatic presentation of Data Ch 7 - Frequency Diagrams : Histograms, Polygons and Ogive Ch 8- Arithmetic line graphs or time series Graphs Part B Ch 4- Consumer Equilibrium - Indifference curve analysis Ch 5 - Theory of Demand Ch 6- Price Elasticity of Demand	<u>Class Test – 1</u> Part A- 1,2 Part B- 1,2
JULY	Part A Ch 9 - Measures of Central Tendency - Mean Ch 10 - Measures of Central Tendency (median and mode) Part B Ch 7- Production Function Ch 8 - Concept of Cost Ch 9 - Concept of Revenue	<u>Unit Test – 1</u> Part A- 3,4,5,6 Part B- 3,4,5,6
AUG	Part A Ch 11- Correlation Part B Ch 10 - Producer's Equilibrium Ch 11 - Theory of Supply	
SEPT	Part A Ch 12 - Index Number	<u>Half Yearly Examination</u> Part A- 1,2,3,4,5,6,7,8,9,10,11,12 Part B- 1,2,3,4,5,6,7,8,9,10,11
OCT	Part B Ch 12- Market Equilibrium under Perfect Competition and effects of Shifts in Demand and Supply	
NOV	Revision	<u>Class Test - 2</u> Part A- 13; Part B- 12
DEC	Revision	<u>Unit Test – 2</u> Part A- 11,12 Part B- 11,12
JAN	Revision	
FEB MAR	Revision	<u>Annual Examination</u> Full Syllabus as per CBSE

Class –XI
SUBJECT – BUSINESS STUDIES

MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	1. Nature and purpose of business 2. Forms of Business Organisation 3. Private, Public and Global Enterprises	
MAY	4. Business Services 5. Emerging modes of business	<u>Class Test – 1</u> Nature and purpose of business Forms of Business Organisation
JULY	6. Social Responsibilities of Business and Business Ethics 7. Sources of business finance	<u>Unit Test – 1</u> Private, Public and Global Enterprises Business Services Emerging modes of business
AUG	8. Small Business	
SEP	9. Internal Trade	<u>Half Yearly Examination</u> Nature and purpose of business Forms of Business Organisation Private , Public and Global Enterprises Business services Emerging modes of business Social Responsibilities of Business and Business Ethics Social Responsibilities of Business and Business Ethics Sources Business of Finance
OCT	10. International trade	
NOV	Revision	<u>Class Test - 2</u> Internal Trade Small business and Entrepreneurship Development
DEC	Revision	<u>Unit Test – 2</u> Small business and Entrepreneurship Development Internal Trade International Trade
JAN	Revision	
FEB MAR	Revision	<u>Annual Examination</u> Full Syllabus as CBSE

Class –XI SUBJECT – COMPUTER SCIENCE		
MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	Unit 1: Computer System Overview Data Representation, Boolean Logic	
MAY	Unit 2: Computational Thinking and Programming : Computational Thinking and Getting Started with Python	<u>Class Test – 1</u> Unit 1: Computer System Overview Data Representation, Boolean Logic
JULY	Python Programming Fundamentals Conditional and looping Constructs	<u>Unit Test – 1</u> Unit 2: Computational Thinking and Programming : Computational Thinking and Getting Started with Python
AUG	Strings in Python	
SEPT	Strings in Python, Revision	<u>Half Yearly Examination</u> Unit 1: Computer System Overview, Data Representation, Boolean Logic, Insight into Program Execution Unit 2: Programming and Computational Thinking (PCT-1): Getting Started with Python, Python Fundamentals Data Handling, Conditional and Looping Constructs, String Manipulation
OCT	List in Python, Tuples and Dictionaries	
NOV	Tuples and Dictionaries, Introduction to Python modules	<u>Class Test - 2</u> List in Python, Tuples
DEC	Revision	<u>Unit Test – 2</u> List in Python, Tuples and Dictionaries, Introduction to Python modules
JAN	Unit 3: Society, Law and Ethics	
FEB	Revision	<u>Annual Examination</u>
MAR		Complete Syllabus as per CBSE

Class –XI SUBJECT – HISTORY		
MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	Section-I Theme 1	
MAY	Section II- Theme 2	<u>Class Test – 1</u> Theme 1
JULY	Section II- Theme 3	<u>Unit Test – 1</u> Theme 1, Theme-2
AUG	Section-III Theme 4	
SEPT	Revision Theme 1,2,3,4	<u>Half Yearly Examination</u> Theme 1,2,3,4
OCT	Section-III Theme 5	
NOV	Section-IV Theme 6	<u>Class Test - 2</u> Theme 5
DEC	Section-IV Theme 7	<u>Unit Test – 2</u> Theme 6
JAN	Revision	
FEB	Revision	<u>Annual Examination</u>
MAR		Full Syllabus

Class –XI SUBJECT – PHYSICAL EDUCATION		
MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APR	Ch-1 Changing Trends & Career In Physical Education	
MAY	Ch-2 Olympism	<u>Class Test – 1</u> 1 Changing Trends and Career in Physical Education
JULY	Ch-3 yoga Ch-4 Physical Education and Sports for CWSN	<u>Unit Test –</u> Ch-1 Changing Trends & Career In Physical Education Ch-2 Olympism
AUG	Ch-5 Physical Fitness Health & Wellness	
SEPT	Ch-6 Test, Measurement and Evaluation	<u>Half Yearly Examination</u> Ch-1 Changing Trends & Career In Physical Education Ch-2 Olympism Ch-3 yoga Ch-4 Physical Education and Sports for CWSN Ch-5 Physical Fitness Health & Wellness Ch-6 Test and Measurement and Evaluation
OCT	Ch-7 Fundamental of Anatomy Physiology in Sports Ch-8 Fundamentals of Kinesiology & Biomechanics in sports	
NOV	Ch-8 Fundamentals of Kinesiology and Biomechanics in sports	<u>Class Test - 2</u> Ch-7 Fundamental of Anatomy Physiology in Sports Ch-8 Fundamentals of Kinesiology & Biomechanics in sports
DEC	Ch- 9 Psychology & Sports	<u>Unit Test – 2</u> Ch-8 Fundamentals of Kinesiology & Biomechanics in sports Ch- 9 Psychology & Sports
JAN	Ch-10 Training & Doping in sports	
FEB MAR	Revision	<u>Annual Examination</u> Fully syllabus as per CBSE

<p style="text-align: center;">Class –XI SUBJECT – HINDI (302)</p>		
MONTH	TOPICS TO BE TAUGHT	TEST/EXAM SYLLABUS
APRIL	आरोह—नमक का दरोगा, कबीर, मीरा। वितान— भारतीय गायिकाओं में बेजोड़ लता मंगेशकर, जनसंचार माध्यम।	
MAY	आरोह— विदाई संभाषण, रजनी, घर की याद। अपठित गद्यांश, पद्यांश, पत्रकारिता के विविध आयाम।	<u>Class Test -1</u> नमक का दरोगा, कबीर। जनसंचार माध्यम।
JULY	आरोह— मियाँ नसीरुद्दीन, गलता लोहा, चंपा काले अक्षर नहीं चीन्हती, अपू के साथ ढाई साल। डायरी लिखने की कला।	<u>Unit Test - 1</u> घर की याद, भारतीय गायिकाओं में बेजोड़ लता मंगेशकर, मीरा विदाई संभाषण, नमक का दरोगा। पत्रकारिता के विविध आयाम, अपठित गद्यांश, पद्यांश।
AUG	आरोह— हे! भूख मत मचल, राजस्थान की रजत बूँदें। कथा पटकथा ,कार्यालयी लेखन और प्रक्रिया, औपचारिक पत्र लेखन।	
SEPT	आरोह— पुनरावृत्ति कार्य	<u>Half Yearly Examination</u> आरोह —नमक का दरोगा, कबीर, मीरा विदाई संभाषण, रजनी, घर की याद, मियाँ नसीरुद्दीन, गलता लोहा, चंपा काले अक्षर नहीं चीन्हती, हे! भूख मत मचल। वितान— भारतीय गायिकाओं में बेजोड़ लता मंगेशकर राजस्थान की रजत बूँदें। जनसंचार माध्यम, पत्रकारिता के विविध आयाम, डायरी लिखने की कला, कथा पटकथा ,कार्यालयी लेखन और प्रक्रिया, अपठित गद्यांश, पद्यांश।
OCT	आरोह— जामुन का पेड़, भारत माता, हे मेरे जूही के फूल जैसे ईश्वर, आलो आँधारि। स्ववृत्त लेखन और रोजगार संबंधी आवेदन पत्र।	
NOV	आरोह— सबसे खतरनाक, आओ मिलकर बचाएँ, भारतीय कलाएँ। अप्रत्याशित लेख, शब्दकोष परिचय संदर्भ ग्रन्थ, अपठित गद्यांश, पद्यांश। ए गजल	<u>Class Test - 2</u> जामुन का पेड़, आलो आँधारि, स्ववृत्त लेखन और रोजगार संबंधी आवेदन पत्र।
DEC	पुनरावृत्ति	<u>Unit Test - 2</u> हे मेरे जूही के फूल जैसे ईश्वर, सबसे खतरनाक, आओ मिलकर बचाएँ। शब्दकोष परिचय संदर्भ ग्रन्थ, अपठित गद्यांश, पद्यांश।
JAN	पुनरावृत्ति	
FEB- MAR	पुनरावृत्ति	<u>Annual Examination</u> पूर्ण पाठ्यक्रम।