

Motilal Nehru Public School

Jamshedpur

Yearly Syllabus (2025 - 26)

Class XI (A,B,C)

ENGLISH LITERATURE

UT 1	FIRST TERM
PERSPECTIVES : Lawley Road (Prose) ,	PYGMALION : Act I, PERSPECTIVE: The Landlady (Prose), REFLECTION : Life Doesn't Frighten Me (Poetry)
REFLECTION: Father Returning Home (Poetry)	UT 1 Portion Included
	SECOND TERM
	PYGMALION : Act II till Page 31 , PERSPECTIVES : Dream Children (Prose) REFLECTION : Life Doesn't Frighten Me
UT - 2	FINAL TERM
PERSPECTIVES : Most Beautiful (Prose) ,	PYGMALION : Act II Page 31 to 45 , PERSPECTIVES : Ratan Tata : A Life Settling In At Cornell (Prose), REFLECTION : A. Prayer For My Daughter, Bora Ring (Poetry)
REFLECTION : Sadness Comes (Poetry)	First Term and Second Term Portion Included

ENGLISH LANGUAGE

UT 1	FIRST TERM
Proposal writing, Transformation of Sentences	Composition of all types, Directed Writing: Book Review, Report writing, Total English: Practice Paper 1 to 5. (Comprehension Passage and grammar to be done in book.) Composition, Directed Writing & Proposal writing to be done in copy.
	SECOND TERM
	Composition of all types, Directed Writing: Report Writing, Article Writing & Speech Writing. Total English: Practice Paper 6 to 10. Composition , Directed Writing and Proposal Writing to be done in book. Grammar and Comprehension Passage to be done in copy UT2 portion included
UT - 2	FINAL TERM
Report writing & Grammar	TOTAL ENGLISH: Practice Paper 11 to 14. Composition , Directed Writing and Proposal Writing to be done in copy. Grammar and Comprehension Passage to be done in book. Revision from Board Sample Papers

HINDI

UT 1	FIRST TERM
UT-1-पुत्र प्रेम, मुहावरे, वाक्य शुद्ध करो	पुत्र- प्रेम, गौरी, साखी, एक फूल की चाह, , सारा आकाश एक से पांच अध्याय निबंध लेखन, अपठित गयांश, मुहावरे, वाक्य शुद्ध करें
	SECOND TERM
	शरणागत, आ धरती कितना देती है, निबंध लेखन, मुहावरे, वाक्य शुद्ध करो
UT - 2	FINAL TERM
आउटसाइडर, मुहावरे, वाक्य शुद्ध करो	सती आउटसाइडर, बाल लीला, तुलसी के पद, नदी के द्वीप, दासी, सारा आकाश 6 से 10 अध्याय, निबंध लेखन, अपठित गयांश, मुहावरे, वाक्य शुद्ध करें, प्रथम एवं द्वितीय सत्र का पूरा पाठ्यक्रम

ECONOMICS

UT 1	FIRST TERM
1) Definition of Economics	1) Definition of Economics
2) Basic Concepts of Economics	2) Basic Concepts of Economics
3) Basic Problems of an Economy.	3) Types of economies
	4) Basic Problems of an Economy.
	5) Solutions to Basic Economics Problems
	6) Economic Growth and Development
	7) Parameters of Development
	8) Sustainable Development
	SECOND TERM
	1) Planning and Economic Development of India
	2) Measures of Central Value
	3) Indian Economy Post Liberalisation
	4) Structural Changes in Indian Economy
	5) Introduction of Statistics ; Organisation and Presentation of Data
UT - 2	FINAL TERM
1) Problems of Poverty in India	1) Rural Development
2) Correlation	2) Human Capital Formation
	3) Unemployment in India
	4) Measures of Dispersion
	5) Index Number ; Portion covered in FIRST TERM AND SECOND TERM
	ALONG WITH (UT1&2)

MATHEMATICS

UT 1	FIRST TERM
SETS , Angles and Arc length	UT 1 , Relation and Function , Trigonometry (complete), Complex Number
	Quadratic Equation and function with inequality , Linear Inequality
	SECOND TERM
	Trigonometry , Permutation and Combination ,
	Binomial theorem ,
	Statistics , Probability . Sequence series (complete)
UT - 2	FINAL TERM
Co-ordinate geometry - Straight line	UT 1, UT 2 , 1st term , 2nd term .
	Circle , Conic Section , Limit and Derivative , Introduction to 3 - D
	Note : Project work to be given during summer vacation as per ISC prescribed topics.

APPLIED MATHEMATICS

UT 1	FIRST TERM
SETS , Angles and Arc length	UT 1 , Relation and Function , Trigonometry (complete), Complex Number,
	Quadratic Equation and function
	SECOND TERM
	Trigonometry , Permutation and Combination , Seq.and Series
	Binomial theorem ,
	Statistics , Logarithm, Quadratic Equation and function with inequality ,
	Linear Inequality (Complete)
UT - 2	FINAL TERM
Co-ordinate geometry - Straight line	UT 1, UT 2 , 1st term , 2nd term .
	Circle , Parabola , Limit and Derivative , Mathematical Reasoning, Probability
	Financial math (compound interest and annuity, taxation, utility bills)
	Note : Project work to be given during summer vacation as per ISC prescribed topics.

PHYSICS

UT 1	FIRST TERM
Units and Dimension , Vectors	1.Units and Measurements , Dimensional Analysis.vectors
	2.Motion along a straight line and plane , Projectile,Newton's laws of motion ,Friction
	3.work energy and power, Circular motion,Centre of mass
	4.Rotational motion , Gravitation,
	SECOND TERM
	5.viscosity,Flow of fluids and Bernoullis theorem,Surface Tention
	6.Transfer of heat ,
	7. Thermodynamics
	8.Kinetic Theory of gases
UT - 2	FINAL TERM
Thermodynamics	9.Simple harmonic motion
	10.Waves and sound,Newton's formula and Laplaces correction for speed of sound in air
	11.Plane progressive Wave, Vibrations in strings and Organ pipes
	12.Superposition of waves, Interference and beats and revision of entire syllabus

CHEMISTRY

UT 1	FIRST TERM
Basic concepts of Chemistry	Basic concepts of chemistry
	Structure of atom
	chemistry practical: salt analysis, (gr-0,1,3,5,6)(anion- chloride, sulphate, acetate).
	titration of sodium carbonate and sulphuric acid
	SECOND TERM
	Basic concepts of chemistry
	Structure of atom
	Chemical bonding and molecular structure
	Thermodynamics
	Equilibrium
UT - 2	FINAL TERM
Organic chemistry (Basic principles and Techniques)	Basic concepts of chemistry , Structure of atom,
	Chemical bonding and molecular structure
	Thermodynamics, Equilibrium, Organic chemistry -Basic principle and techniques
	Hydrocarbon,Redox reaction
	Classification of elements and periodicity in properties
	chemistry practical: Redox titration,KMnO ₄ with mohr salt, gr analysis gr4 and nitrate ion.
	Identification of organic compounds -(glucose and glycerol)

BIOLOGY

UT 1	FIRST TERM
The Living World, Biological Classification,	The Living World, Biological Classification,
	Plant kingdom, Cell, Cell Cycle & Cell Division
	Breathing & Exchange of Gases
	Structural Organization in Animals : Frog, Revision
	SECOND TERM
	Morphology of flowering plants, Body fluids & circulation,
	Photosynthesis, Anatomy of flowering plants. Revision
UT - 2	FINAL TERM
Animal kingdom, Biomolecules	Animal Kingdom, Biomolecules, Plant Growth &
	Development, Excretory products & their elimination,
	Neural control& coordination, Respiration in plants, Chemical coordination & integration
	Locomotion & movement, Revision

COMPUTER

UT 1	FIRST TERM
Arrays, String Handling, Data Representation	General Oop concepts, Introducing JAVA, JAVA Fundamentals, Flow of Control, Classes in JAVA, Functions(Methods- Till 8.13), Arrays, Portion covered in UT-1
	SECOND TERM
	Propositional Logic and Hardware Using library classes and packages, Entire Portion covered till first term Program error types and basic exception handling.
UT - 2	FINAL TERM
Trends in Computing and Ethical issues	Functions(Methods), Operations on Files Entire Portion covered
S.U.P.W.	
	FIRST TERM
	Students are instructed to participate in BLOOD DONATION CAMP in school for 11 A,B, C
	SECOND TERM
	Donations to old age home
	FINAL TERM
	A visit to an industry / Bank