

Lt. Col. MEHAR LITTLE ANGELS SR. SEC. SCHOOL
SYLLABUS FOR PRE-BOARDS EXAMINATION (2025 - 2026)
CLASS XII

SUBJECT	NAME OF SUBJECT TEACHER
PHYSICS	MR. SURYA PRATAP
CHEMISTRY	MR. MD. IMRAN ZAFEER
BIOLOGY	MS. MEENU SAINI
COMPUTER SCIENCE	MS. NAVITA SAINI
MATHEMATICS	MR. JOGINDER BAJAJ
ENGLISH	MS. SHILPA ARORA
HOME SCIENCE	MS. URVINDER KAUR
PHYSICAL EDUCATION	MR. SURYA PRATAP, MR. SANDEEP
ECONOMICS	MS. PRACHI JAIN
ACCOUNTANCY	MS. TAVNEET KAUR
BUSINESS STUDIES	MR. NAVEEN
INFORMATICS PRACTICES	MS. NAVITA SAINI

PHYSICS

Chapter No. 1: Electrostatics
Chapter No. 2: Current electricity
Chapter No. 3: Magnetic effect of electric current and magnetism
Chapter No. 4: Electromagnetic induction and alternating current
Chapter No. 5: Electromagnetic waves
Chapter No. 6: Wave and Ray optics
Chapter No. 7: Semiconductors
Chapter No. 8: Dual nature of radiation
Chapter No. 9: Atom and nuclei

CHEMISTRY

Unit 1: Solutions
Unit 2: Electrochemistry
Unit 3: Chemical Kinetics
Unit 4: The d- and f- block elements
Unit 5: Coordination Compounds
Unit 6: Haloalkanes and Haloarenes
Unit 7: Alcohols, Phenols and Ethers
Unit 8: Aldehydes, Ketones & Carboxylic acids
Unit 9: Amines
Unit 10: Biomolecules

BIOLOGY

- Chapter No. 2: Sexual Reproduction in Flowering Plants
- Chapter No. 3: Human Reproduction
- Chapter No. 4: Reproductive Health
- Chapter No. 5: Principles of Inheritance and Variation
- Chapter No. 6: Molecular Basis of Inheritance
- Chapter No. 7: Evolution
- Chapter No. 8: Human Health and Diseases
- Chapter No. 10: Microbes in Human Welfare
- Chapter No. 11: Biotechnology - Principles and Processes
- Chapter No. 12: Biotechnology and its Applications
- Chapter No. 13: Organisms and Populations
- Chapter No. 14: Ecosystem
- Chapter No. 15: Biodiversity and its Conservation

COMPUTER SCIENCE

- Unit 1: Computational thinking and programming 2 (Ch-1 to 5)
- Unit 2: Computer networks (Ch-6)
- Unit 3: Database Management (Ch-7 & 8)

MATHEMATICS

- Chapter No. 1: Relations and functions
- Chapter No. 2: Inverse trigonometric functions
- Chapter No. 3: Matrices
- Chapter No. 4- Determinant
- Chapter No. 5: Continuity and Differentiability
- Chapter No. 6: Applications and Derivatives
- Chapter No. 7: Integrals
- Chapter No. 8: Applications of Integrals
- Chapter No. 9: Differential equations
- Chapter No. 10: Vector Algebra
- Chapter No. 11: Three-Dimensional Geometry
- Chapter No. 12: Linear programming
- Chapter No. 13: Probability

ENGLISH

Flamingo:

(Prose)

The Last Lesson

Lost Spring

Deep Water

The Rattrap

Indigo

Poets and Pancakes

The Interview

Going Places

(Poetry)

My Mother at Sixty-Six

Keeping Quiet

A Thing of Beauty

A Roadside Stand

Aunt Jennifer's Tigers

Vistas:

The Third Level

The Tiger King

Journey to the end of the Earth

The Enemy

On the face of It

Memories of childhood

The cutting of my long hair

We too are Human Beings

WRITING SKILLS

Notice

Invitation/Reply

Letter to the Editor/Job Application

Article / Report

Unseen Passages

HOME SCIENCE

Chapter No. 1: Work livelihood and career

Chapter No. 2: Clinical Nutrition
Chapter No. 3: Public Nutrition
Chapter No. 4: Food Processing
Chapter No. 5: Food Quality and Food Safety
Chapter No. 6: ECCE
Chapter No. 7: Management and support services
Chapter No. 8: Elements and Principles of Design
Chapter No. 9: Fashion Merchandising
Chapter No. 10: Care and maintenance of Fabrics
Chapter No. 11: Consumer Education and Protection
Chapter No. 12: Hospitality
Chapter No. 13: Development and Communication

PHYSICAL EDUCATION

Chapter No. 1: Management of Sporting Event
Chapter No. 2: Children & Women in Sports
Chapter No. 3: Yoga as Preventive measure for Lifestyle Disease
Chapter No. 4: Physical Education and Sports for CWSN Children with Special Needs - Divyang
Chapter No. 5: Sports & Nutrition
Chapter No. 6: Test & Measurement in Sports
Chapter No. 7: Physiology & Injuries in Sport
Chapter No. 8: Biomechanics and Sports
Chapter No. 9: Psychology and Sports
Chapter No. 10: Training in Sports

ECONOMICS

Part A: Introductory Macroeconomics
Unit 1: National Income and Related Aggregates
Unit 2: Money and Banking
Unit 3: Determination of Income and Employment
Unit 4: Government Budget and the Economy
Unit 5: Balance of Payments

Part B: Indian Economic Development
Unit 6: Development Experience (1947-90) and Economic Reforms since 1991
Unit 7: Current challenges facing Indian Economy
Unit 8: Development Experience of India

ACCOUNTANCY

Part A: ACCOUNTING FOR PARTNERSHIP FIRMS AND COMPANIES

- Chapter No. 1: Accounting for partnership firms- fundamentals
- Chapter No. 2: Goodwill: nature and valuation
- Chapter No. 3: Change in profit sharing ratio among the existing partners
- Chapter No. 4: Admission of a partner
- Chapter No. 5: Retirement of a partner
- Chapter No. 6: Death of a partner
- Chapter No. 7: Dissolution of a partnership firm
- Chapter No. 8: Company Accounts: accounting for share capital
- Chapter No. 9: Company accounts issue of debentures

Part B: FINANCIAL STATEMENT ANALYSIS

- Chapter No. 1: Financial statements of a company
- Chapter No. 2: Financial statement analysis
- Chapter No. 3: Comparative statements and common size statements
- Chapter No. 4: Accounting ratios
- Chapter No. 5: Cash flow statement

BUSINESS STUDIES

- Chapter No. 1: Nature and Significance of Management
- Chapter No. 2: Principles of Management
- Chapter No. 3: Business Environment
- Chapter No. 4: Planning
- Chapter No. 5: Organising
- Chapter No. 6: Staffing
- Chapter No. 7: Directing
- Chapter No. 8: Controlling
- Chapter No. 9: Financial Management
- Chapter No.10: Financial Markets
- Chapter No.11: Marketing Management
- Chapter No.12: Consumer Protection

INFORMATICS PRACTICES

Unit 1: Data handling using pandas and data visualization

Unit 2: Database query using SQL

Unit 3: Introduction to computer networks

Unit 4: Societal Impacts