

Class XI A – (Syllabus)

Sub : PHYSICS

April

Chapter 1 - Physical world:

Chapter 2 - Units and Measurements:

Concepts of Differential and Integral Calculus:

May

Chapter 3 - Motion in a straight Line:

Chapter 4 - Motion in a plane:

July

Chapter 4 - Motion in a plane: (Continues)

Chapter 5 - Laws of Motion:

Chapter 6 - Work, Energy and Power:

August

Chapter 7 - System of Particles and Rotational Motion:

Chapter 8 - Gravitation:

September

Chapter 15 – Ray Optics and optical instruments:

October

Chapter 9 - Mechanical Properties of Solids:

Chapter 10 - Mechanical Properties of Fluids:

November

Chapter 10 - Mechanical Properties of Fluids: (Continues)

Chapter 11 – Thermal properties of matter:

December

Chapter 12 – Thermodynamics:

Chapter 13 – Kinetic Theory of gases:

January

Chapter 14 – Oscillations and Waves:

First Cycle Test	: Chapters 1 to 3
First Term Examination	: Chapters 1 to 7
Second Cycle Test	: Chapters 8 and 15
Second Term Examination	: Chapters 1 to 15

Sub : CHEMISTRY

April - May

Units - 1 and 2

July

Units - 3, 4 and 5

August

Units - 5 (rest), 6 and 12 (up to page no. 335)

September

Unit - 12 (till page no. 341)

October

Unit - 12 (rest) and 8

November

Unit - 13 and 7 (till page no. 206)

December

Units - 7 (rest) and 10

January

Units - 9 and 11

First Cycle Test	: Units 1, 2 and 14
First Term Examination	: Units 1, 2, 3, 4, 5, 6, 12 (till page no. 341) and 14
Second Cycle Test	: Units - 7 (till page no. 206), 8 and 12
Second Term Examination	: Units - 1 to 14

Sub : ENGLISH

April,

The Portrait of a lady.

A Photograph.

The summer of the Beautiful White Horse.

Note making

May

The Address.

We're not afraid to Die.

Poster.

July

The Laburnum Top.

Ranga's Marriage.

Discovering Tut.

Business letters.

August

Landscape of the Soul, A. Einstein at School.

Voice of the rain, The Ailing planet.

Job Application and Advertisements

September

Mother's Day

October

The Browning Version.

Childhood.

November

The Adventure

The Ghat of the Only World

December

Father to son.

Birth.

January

The Tale of the Melon City.

Silk Road and Revision.

First Cycle Test	: The Portrait of a lady, A Photograph, The Summer of the Beautiful White and Horse and Note making.
First Term Examination	: Entire syllabus covered till August.
Third Cycle Test	: Mother's Day, Childhood, Advertisements, Poster and Note making.
Second Term Examination	: Entire syllabus

Sub : MATHS

April- May

Chapter 1 - Sets

Chapter 2 – Relations and functions

Chapter 3 – Trigonometric functions

July

Chapter 4 - Principal of Mathematical Induction

Chapter 5 - Complex numbers and Quadratic functions

Chapter 6 - Linear Inequalities

August

Chapter 7 - Permutation and Combinations

Chapter 8 - Binomial Theorem

September - October

Chapter 9 – Sequences and Series

Chapter 10 – Straight Lines

November

Chapter 11 - Conic Sections

Chapter 12 – Introduction to Three Dimensional Geometry

Chapter 13 – Limits and Derivatives

December

Chapter 15 – Statistics

Chapter 16 – Probability:

First Cycle Test	: Chapters 1 to 3
First Term Examination	: Chapters 1 to 7
Second Cycle Test	: Chapters 8 and 9
Second Term Examination	: Complete syllabus

Sub : COMPUTER SCIENCE

April - May

Computer Overview, Getting Started with C++

July

Algorithms and Flowcharts, Data Handling, Operating Systems, Operators and Expressions

August

General OOP Concepts, Flow of Control

September

Structured data type Array

October

Console I/O operations, Functions in C++

November

Standard Library Functions, Programming methodology

December

Functions in C++ (contd.), working with Operating systems

January

Computer Organization Console I/O operations

First Cycle Test	: Computer Overview, Getting Started with C++, Algorithms and Flowcharts, Data Handling, Operating Systems, Operators and Expressions
First Term Examination	: Periodic Test Syllabus + General OOP concepts, Flow of Control + Structured data type Array
Second Cycle Test	: Console I/O operations, Functions in C++, Standard Library Functions and Programming methodology
Second Term Examination	: Full Syllabus of Term I and Term II

Sub : ECONOMICS

April - May

L-1 : Indian Economy on Eve of Independence

L-2: Indian Economy 1950-1990

July

L-1 Statistics Introduction, L-2 Collection of Data, L-3 Statistical Enquiry

L-4 Organisation of data L-3 LPG, L-4 Poverty, L-5 Human Capital Formation

August

L-6 Rural Development, L-7 Employment, L-5 Presentation of data

L-6 Diagrammatic presentation of data, L-7 Graphic Presentation of Data

September

L-8 Arithmetic Mean

October

L- 9 Infrastructure, L-10 Environment and sustainable development

L-9 Median and Mode

November

L-9: CONTINUED, L-10 Dispersion L-11 Correlation

December

L-11: CONTINUED, L-12: Index Number

January

L-12CONTINUED, L-11 Developmental Experiences of India

First Cycle Test	: L-1, L-2 from IED, L-1, L-2 from Statistics
First Term Examination	: L-1 to L-7 IED, L-1 to L-8 from STATISTICS
Second Cycle Test	: L-9 and L 10 from IED, L-9 and L-10 from STATISTICS
Second Term Examination	: WHOLE SYLLABUS

Sub : ENGINEERING GRAPHICS

Syllabus For Periodic Test

PT 1.5

Construction of lines, angles, and their divisions
Construction of triangles, square, rhombus, trapezium, regular polygons, pentagon, hexagon, and octagon
Construction of circles, external internal tangent of circle

PT 2.5

Construction of ellipse by concentric circles, intersecting arc and intersecting Lines
Construction of parabola by intersecting lines and intersecting arc method
Construction of an involute of a circle, cycloid, helix, and sine curve
Orthographic projection of points and lines
Orthographic projection of regular plane figures – triangle, square, pentagon, hexagon, circle and semi-circle
Orthographic projection of solids – prism, pyramid, cone, cylinder, sphere, and Hemisphere
Orthographic projection of frustum of cone and pyramid

PT 3.5

Section of solids (Prism, pyramid) – Axis parallel to one of the planes and perpendicular to the other and parallel to both the planes
Orthographic simple machine blocks
Construction of isometric scale
Isometric projection of laminas
Development of surfaces of cube, prism, pyramid and right circular pyramid and cone