

Class XII A – (Syllabus)

Sub : PHYSICS

March - April

Chapter 1 - Electric charges and Fields:

Chapter 2 - Electrostatic Potential and Capacitance:

Chapter 3 - Current Electricity:

May

Chapter 4 – Moving charges and magnetism:

July

Chapter 5 – Magnetism and matter:

Chapter 6 - Electromagnetic induction:

Chapter 7 – Alternating current and electrical machines:

August

Chapter 8 – Electromagnetic waves:

Chapter 9 - Ray Optics and Optical instruments:

Chapter 10 – Wave Optics:

September

Chapter 10 – Wave Optics: (Continues)

Chapter 11 – Dual nature of radiation and Matter:

October

Chapter 12- Atoms:

Chapter 13 – Nuclei:

November

Chapter 14 - Semiconductor Electronics:

Chapter 15 - Communication systems:

First Cycle Test	: Chapters 1 to 2
Second Cycle Test	: Chapters 2 to 4
First Term Examination	: Chapters 1 to 9
Third Cycle Test	: Chapters 10 to 12
Second Term Examination	: Chapters 10 to 15
Pre-Board Examination	: Chapters 1 to 15

Sub : CHEMISTRY

March -

Units – 2 and 3

April

Units – 4, 5 and 10

May

Units – 11, 12 and 13

July

Units – 13 (rest), 14, 16 and 1

August

Units – 15 and 6

September

Unit – 7

October

Units – 7 (rest) and 8

November

Units – 9

First Cycle Test	: Units – 2, 3 and 4
Second Cycle Test	: Units - 2, 3, 4, 5, 10 and 11
First Term Examination	: Units – 1, 2, 3, 4, 5, 6, 10, 11, 12, 13, 14, 15 and 16
Third Cycle Test	: Units - 7, 8 and 9
Second Term Examination	: Units 1, 6, 7, 8, 9, 10, 11, 12 and 13
Pre-Board Examination	: Chapters 1 to 16

Sub : ENGLISH

March

Invitations- formal & informal.

Replies to invitations- formal & informal

April - May

The Last Lesson, Lost Spring.

My Mother at 66, the Tiger King.

The Enemy and Deep water.

July

The Rattrap.

An Elementary School Classroom in a Slum.

Keeping Quiet and Should Wizard Hit Mommy?

Indigo.

August

Going places.

A Thing of Beauty.

On the Face of it.

Aunt Jennifer's Tigers.

September

Memories of Childhood.

October

Evans Tries an O-Level.

November

Any backlog due to unforeseen schedules.

Revision.

First Cycle Test	: Note making, Novel chapters 1-5, My Mother at 66, The Last Lesson, Formal letters, Invitations and Posters.
Second Cycle Test	: Lost Spring, The Tiger king, The Enemy, Note making, Novel chapters 6 – 10, Formal letters and short writing skills.
First Term Examination	: All writing skills covered in XI & XII, All chapters covered till August and Novel chapters 01-15.
Third Cycle Test	: Note making, Novel chapters 16 – 21, Memories of childhood, Aunt Jennifer's Tiger, A thing of beauty and Advertisements.
Second Term Examination	: The complete syllabus of class XII.

Sub : MATHEMATICS

March

Chapter 3 - Matrices

Chapter 4 – Determinants

April

Chapter 2 - Inverse Trigonometric Functions

Chapter 5 - Continuity and Differentiability

May

Chapter 6 - Application of Derivatives

Chapter 7 - Integration

July

Chapter 7 - Integration (contd)

Chapter 8 - Application of Integration

August

Chapter 9 - Differential Equation

September

Chapter 10 - Vectors

Chapter 11 - Three Dimensional Geometry

October

Chapter 12 - Linear Programming

Chapter 13 - Probability

November

Chapter 1 - Relations and Functions

December

Chapter 1 - Relations and Functions

First Cycle Test	: Chapters 2, 3 and 4
Second Cycle Test	: Chapters 2, 5 and 6
First Term Examination	: Chapter 2, 3, 4, 5, 6 and 7
Third Cycle Test	: Chapters 10, 11 and 13
Second Term Examination	: Complete Syllabus

Sub : COMPUTER SCIENCE

March

Classes and Objects, Constructors, Inheritance and Types of Inheritance

April-May

Files- Text and Binary Files, Boolean algebra, Databases and SQL

July

Revision Tour of Programming in C++

August

Pointers Stacks and Queues

September

Revision for the half Yearly Exam

October

Communication and Networks

November

Standard programs of C ++

December

Revision of the entire syllabus

First Cycle Test	: All the chapters done till 04 May 2018
Second Cycle Test	: Programming concepts of arrays, matrices, functions, structures, Boolean algebra and Databases and SQL
First Term Examination	: Entire syllabus done till September
Third Cycle Test	: Communication and Networks, Boolean algebra, Databases and SQL
Second Term Examination	: Complete syllabus

Sub : ECONOMICS

March - April

UNIT 1: Introduction to micro-macro, PPC curve analysis

UNIT 2: Consumer's Equilibrium and Demand

UNIT 3: Producer Behaviour and Supply

May

UNIT 4: Forms of Market and Price Determination

July

MACRO ECONOMICS: UNIT 5: National Income and Related Aggregates

August

UNIT 5 Continued

Unit 6: Money and Banking

September

Introduction to UNIT 7: Determination of Income and Employment

October

UNIT 7 Continued

UNIT 8: Government Budget and Economy

November

UNIT 9: Balance of Payment, Practice of sample papers and revision

First Cycle Test	: UNIT 1 and UNIT 2
Second Cycle Test	: UNIT 3 AND UNIT 4
First Term Examination	: UNIT 1,2,3,4 OF MICRO AND UNIT 5 OF MACRO
Third Cycle Test	: UNIT 8 and UNIT 9
Second Term Examination	: WHOLE MACRO
Pre-Board Examination	: WHOLE SYLLABUS

Sub : PHYSICAL EDUCATION

April - May

PLANING IN SPORTS

SPORTS AND NUTRITION

July

YOGA AND LIFESTYLE

PHYSICAL EDUCATION AND SPORTS FOR DIFFERENTLY ABLED

August

CHILDREN & SPORTS

WOMEN & SPORTS

September

TEST & MEASUREMENT IN SPORTS

PHYSIOLOGY & SPORTS

October

SPORTS MEDICINE, KINESIOLOGY, BIOMECHANICS & SPORTS

PSYCHOLOGY & SPORTS

November

TRAINING IN SPORTS

December

Revision of the entire syllabus

January

Revision of the entire syllabus

First Cycle Test	: PLANING IN SPORTS
Second Cycle Test	: PLANING IN SPORTS, YOGA AND LIFESTYLE, PHYSICAL EDUCATION AND SPORTS FOR DIFFERENTLY ABLED
First Term Examination	: All chapters covered from April to September.
Third Cycle Test	: CHILDREN & SPORTS, WOMEN & SPORTS, TEST & MEASUREMENT IN SPORTS, PHYSIOLOGY & SPORTS
Second Term Examination	: All chapters covered in October and November
Pre-Board Examination	: All chapters covered from April to November.

Sub : ENGINEERING GRAPHICS

Syllabus For Cycle Test

CT 1.5

Construction of isometric scale

Isometric projection of simple solids – prism, pyramid, cone, cylinder, Sphere, and Hemisphere (axis parallel to one of the planes and perpendicular to the other, parallel to both the planes)

Isometric projection of combination of two solids

Construction of standard thread profiles

Orthographic views of nuts and bolts, assembled views of nuts with bolt and washer

Orthographic views of single rivetted lap joint

Free hand sketching of machine screws, keys, rivets and studs.

CT 2.5

Assembly and disassembly drawings of open bearing, bush bearing, sleeve and cotter joint, socket and spigot joint, jib and cotter joint, and turn buckle.

CT 3.5

Assembly and disassembly drawings of flange pipe joint, protected and unprotected coupling, and solid cast iron pulley