

## **PREFACE**

*"The goal of education is the advancement of knowledge and dissemination of truth" — Joh F Kennedy*

*The real objective of education is to enrich the lives of students and create articulate and expressive thinkers who are socially responsible, resilient, and active citizens of the world. Education is about teaching students, not subjects making them lifelong learners. Engaging students in their learning, and maximizing the potential of each and every child is the real purpose of education. Looking beyond the child's intellect and focussing upon the holistic grooming is the focus of the school. Making learning as a life long journey is the very purpose of education for which the institution is committed for.*

### **OBJECTIVES OF CURRICULUM**

- *This curriculum is aimed at building the faculty of reasoning and channeling the thoughts into productive learning.*
- *Give the opportunity to maximize the pupil's potential.*

*"The function of education is to teach one to think intensively and critically. Intelligence plus character, that is the goal of true education"*

*—Martin Luther King Jr.*

## DATE SHEET 2017-18

### FIRST TEST SERIES (June — July)

Day	Date	Subject
Tuesday	27.06.17	Maths/IP/Phy.Edu./Biology
Wednesday	28.06.17	B.St./Chemistry/Psychology
Thursday	29.06.17	English
Friday	30.06.17	Optional/Economics
Saturday	01.07.17	Physics/Account./Pol.Science

### SECOND TEST SERIES (August)

Day	Date	Subject
Tuesday	08.08.17	English
Wednesday	09.08.17	Physics/Account./Pol.Science
Thursday	10.08.17	Optional/Economics
Friday	11.08.17	Maths/IP/Phy.Edu./Biology
Monday	14.08.17	B.St./Chemistry/Psychology

PTM : 26th August 2017

### HALF-YEARLY (September)

Day	Date	Subject
Monday	11.09.17	English
Wednesday	13.09.17	Physics/Account./Pol.Science
Friday	15.09.17	Optional/Economics
Monday	18.09.17	Maths/IP/Phy.Edu./Biology
Wednesday	20.09.17	B.St./Chemistry/Psychology

PTM : 14th October 2017

### MOCK ANNUAL EXAM (January)

Day	Date	Subject
Tuesday	09.01.18	B.St./Chemistry/Psychology
Friday	12.01.18	English
Monday	15.01.18	Physics/Account./Pol.Science
Thursday	18.01.18	Optional/Economics
Monday	22.01.18	Maths/IP/Phy.Edu./Biology

PTM : 29th January 2018

### ANNUAL EXAM

Day	Date	Subject
Monday	14.02.18	English
Saturday	17.02.18	Physics/Account./Pol.Science
Tuesday	20.02.18	Optional/Economics
Friday	23.02.18	Maths/IP/Phy.Edu./Biology
Monday	26.02.18	B.St./Chemistry/Psychology

PTM : 12th March 2018

## ENGLISH

### **Prescribed Books:**

Hornbill -	Text book in English For Class XI (Core Course) NCERT
Snapshots :	Supplementary Reader in English for class XI (Core course) NCERT
Novel :	'The Canterville Ghost' by Oscar Wilde
Reference Book :	BBC Resource Book

### **APRIL-MAY**

Hornbill	:	L-1 The Portrait of a Lady P-1 A Photograph
Snapshots	:	L-1 The Summer of the Beautiful White Horse
Novel	:	L-1, 2
Grammar	:	Determiners, Tenses
Writing Skills	:	Notice Writing, Advertisements
Reading Skill	:	Note Making, Summary

### **JULY**

HORNBILL	:	L-2 We are not Afraid to Die... Together P-2 The Voice of Rain
Snapshots	:	L-2 The Address
Grammar	:	Error correction, Modals
Writing Skill	:	Business Letters-letters of enquiry, reply, placing an order , cancellation
	:	Job letter application
Reading Skill	:	Comprehension passage

### **AUGUST- SEPTEMBER**

HORNBILL	:	L-3 Discovering Tut.... The Saga Continues P-3 Childhood
Snapshots	:	L-3 Ranga's Marriage
Novel	:	L-3 , 4
Grammar	:	Reported Speech , Reordering of sentences
Writing Skill	:	Poster making, Complaint Letter, Article Writing
Reading Skill	:	Note making and summary

**OCTOBER - DECEMBER**

- HORNBILL : L-4 The Ailing Planet  
L-5 The Browning Version  
P-4 Father To Son
- Snapshots : L-4 Albert Einstein at School  
: L-5 Mother's Day  
L-7 Birth  
L-8 The Tale of Melon city
- Novel : L- 5, 6, 7
- Grammar : Active Passive Voice  
Sub Verb Agreement  
Editing : Omission Exercises
- Writing Skill : Letter to the Editor, school/college authorities,  
Speech Writing, Report Writing
- Reading Skill : Unseen Comprehension- poem, passage  
Note Making, Summary

**JANUARY- FEBRUARY**

- HORNBILL : Revision of all the lessons covered
- Snapshots : Revision of all the lessons covered
- Novel : Revision
- Grammar & Writing Skills  
: Revision of all the topics
- Reading : Note Making, Summary, comprehension  
practice

**I Test Series**

- Hornbill : L-1, P-1
- Snapshots : L-1
- Novel : L-1, 2
- Grammar : Determiners , Tenses, Reordering of sentences
- Writing Skills : Notice Writing, Classified and display  
Advertisements
- Reading Skill : Note Making, Summary

**II Test Series**

- HORNBILL : L-2 , P-2
- Snapshots : L-2
- Novel : L-1,2
- Grammar : Error correction, Modals
- Writing Skill : Business Letters-enquiry, reply, placing order ,  
cancellation, Job letter application
- Reading Skill : Comprehension passage

**Half Yearly Exam**

HORNBILL	:	L-1,2,3 P-1,2,3
Snapshots	:	L-1,2,3
Novel	:	L-1-4
Grammar	:	Reordering of sentences, Determiners , Tenses, Reported speech, Error correction, Modals
Writing Skill	:	Notice Writing, Poster making, Classified Advertisements, Job letter application, Business Letters , Article Writing
Reading Skill	:	Unseen Comprehension Passage, Note making and Summary

**Mock Annual Exam**

HORNBILL	:	Whole syllabus
Snapshots	:	Whole syllabus
Novel	:	L-1-7
Grammar	:	All the topics covered
Writing Skill	:	All the topics mentioned above
Reading Skill	:	Unseen Comprehension Passage, Note making and summary

**Annual Examination**

Whole syllabus

## **-MATHEMATICS-**

Course Book : Mathematics Text Book NCERT

Reference Book : 1. NCERT EXEMPLAR

Practice Manual : (MOUNT ABU PUBLIC SCHOOL)

### **APRIL - MAY**

Chapter 3 : Trigonometric Functions

Chapter 5 : Complex Numbers and Quadratic Equations

Chapter 4 : Principle of Mathematical Induction

Chapter 1 : Sets

### **JULY - AUGUST**

Chapter 2 : Relations and Functions

Chapter 6 : Linear Inequalities

Chapter 7 : Permutations and Combinations

Chapter 8 : Binomial Theorem

Chapter 9 : Sequences and Series (till Geometric Progression)

### **SEPTEMBER - OCTOBER**

Chapter 9 : Sequences and Series (cont.)

Chapter 10 : Straight Lines

Chapter 11 : Conic Sections

### **NOVEMBER - DECEMBER**

Chapter 12 : Introduction to Three Dimensional Geometry

Chapter 13 : Limits and Derivatives

Chapter 16 : Probability

### **JANUARY**

Chapter 05 : Continuity and Chain Rule (class XII)

### **Term Wise Syllabus**

First Test Series : Chapters – 1, 3, 4 and 5

Second Test Series : Chapters – 1 to 6

Half Yearly Examination : Chapters- 1 to 8

Mock Pre Board : Full Syllabus

Final Exams : Full Syllabus

## **-INFORMATICS PRACTICES-**

**Text Book** : **Informatics Practices by CBSE**

### **APRIL - MAY**

Chapter 1 : Hardware concepts

Chapter 2 : Software concepts & productivity tools

### **JULY - SEPTEMBER**

Chapter 3 : Information Security and Social Networking

Chapter 4 : Getting started with IDE Programming

Chapter 5 : Programming Fundamentals

Chapter 6 : Control Structures

### **OCTOBER - NOVEMBER**

Chapter 7 : Programming Guidelines

Chapter 8 : Introduction to My SQL

### **DECEMBER - FEBRUARY**

Chapter 9 : My SQL

Chapter 10 : Functions in My SQL

Chapter 11 : Sample Applications – Case Studies

### **Term Wise Syllabus**

I Test Series : Chapter 1, 2

II Test Series : Chapter 1, 3, 4

I Term : Chapter 1, 2, 3, 4, 5, 6

Final Exam : Entire syllabus

## **-COMPUTER SCIENCE-**

**Text Book** : **Computer Science by Sumita Arora**

### **APRIL - MAY**

Chapter 1 : Computer Overview  
Chapter 2 : Working with operating system  
Chapter 4 : Input, output and Memory Devices  
Chapter 5 : General OOPS concepts

### **JULY - SEPTEMBER**

Chapter 6 : Getting started with C++  
Chapter 7 : Data Handling  
Chapter 8 : Operators & Expressions in C++

### **OCTOBER - NOVEMBER**

Chapter 9 : Flow of Control  
Chapter 10 : Standard Library Function

### **DECEMBER - FEBRUARY**

Chapter 11 : User defined Functions  
Chapter 12 : Array  
Chapter 13 : Structures  
Chapter 14 : Programming Methodology

### **Term Wise Syllabus**

I Test Series : Chapter 1, 2  
II Test Series : Chapter 1, 2, 4, 5  
I Term : Chapter 1, 2, 4, 5, 6, 7, 8  
Final Exam : Entire syllabus with practical



## **-PHYSICS-**

Course Book	:	N.C.E.R.T.
Reference Book	:	Simplified Physics by S.L. Arora
Practice Manual	:	Mount Abu Public School
Practical Book	:	Together with Physics Practical

### **APRIL - MAY**

Chapter 1	:	Physical World
Chapter 2	:	Units and Measurement
Chapter 3	:	Motion in a straight line

### **JULY - AUGUST**

Chapter 4	:	Motion in Plane
Chapter 5	:	Laws of Motion
Chapter 6	:	Work, energy and power
Chapter 7	:	Rotational Motion and system of particles
Chapter 8	:	Gravitation
Chapter 9	:	Properties of Matter - Solid

### **SEPTEMBER - DECEMBER**

Chapter 10	:	Properties of matter – Fluid
Chapter 11	:	Thermal properties of matter
Chapter 12	:	Thermodynamics
Chapter 13	:	Kinetic Theory Of Gases
Chapter 14	:	Oscillation.
Chapter 15	:	Waves

### **TERM WISE SYLLABUS**

First test series	:	Chapter 1,2,3
Second test series	:	Chapter 4,5,6
Third test series	:	Chapter 1 to 9
Mock Annual Exam	:	Full Syllabus
Annual Exam	:	Full Syllabus

## **-CHEMISTRY-**

<b>Textbooks :</b>	1. Chemistry Part -I, Published by NCERT
	2. Chemistry Part -II, Published by NCERT

### **Recommended Reference Books :**

1. Comprehensive Chemistry by Dinesh's Publication
2. Fundamentals of Chemistry by Pradeep's Publication

### **Practice Manual**

#### **First Test Series (June-July)**

Unit I	:	Some Basic Concepts of Chemistry
Unit II	:	Structure of Atom

**Practicals**

1. Characterization and Purification of Chemical Substances  
Crystallization of an impure sample of any one of the following :  
Copper sulphate.
2. Qualitative Analysis  
Preparation of standard solution of oxalic acid.  
Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid (microanalysis).  
Preparation of standard solution of sodium carbonate.  
Determination of strength of a given solution of hydrochloric acid by titrating it against standard sodium carbonate solution (microanalysis).

**Second Test Series (August)**

- Unit III : Classification of Elements and Periodicity in Properties  
Unit IV : Chemical Bonding and Molecular structure  
Unit V : States of Matter: Gases and Liquids  
Unit VIII : Redox Reactions

**Half Yearly Examination (September)**

- Unit VI : Thermodynamics  
Unit VII : Equilibrium (Till Le- Chatelier's principle)

**Practicals****Experiment based on pH**

- \* Determination of pH of some solutions obtained from fruit juices, varied concentrations of acids, bases and salts using pH paper or universal indicator.
- \* Comparing the pH of solutions of strong and weak acids of same concentration.

**Quantitative Estimation**

- \* Determination of one anion and one cation in a given salt  
Anions-  $\text{CO}_3^{2-}$ ,  $\text{S}^{2-}$ ,  $\text{SO}_3^{2-}$ ,  $\text{SO}_4^{2-}$ ,  $\text{NO}_2^-$ ,  $\text{NO}_3^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{C}_2\text{O}_4^{2-}$ ,  $\text{CH}_3\text{COO}^-$   
Cations-  $\text{NH}_4^+$ ,  $\text{Pb}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Al}^{3+}$ ,  $\text{Fe}^{3+}$

**Mock Annual Examination (January)**

- Unit VII : Equilibrium(contd)  
Unit IX : Hydrogen  
Unit X : s-Block Elements (Alkali and Alkaline Earth Metals)  
Unit XI : Some p-Block Elements  
Unit XII : Organic Chemistry - Some Basic Principles and Technique

Unit XIII : Hydrocarbons  
Unit XIV : Environmental Chemistry

### **INVESTIGATORY PROJECTS**

Scientific investigations involving laboratory testing and collecting information from other sources.

#### **A Few suggested Projects**

- \* Checking the bacterial contamination in drinking water by testing sulphide ion.
- \* Study of the methods of purification of water.
- \* Testing the hardness, presence of iron, fluoride, chloride etc. Depending upon the regional variation in drinking water and study of causes of presences of these ions above permissible limit (if any).
- \* Determination of the rate of evaporation of different liquids.

### **-BIOLOGY-**

#### **First Test Series (15%) April — May**

Chapter 1 Living World  
Chapter 2 Biological Classification  
Chapter 5 Morphology of Flowering Plants  
Chapter 16 Digestion in humans

#### **Second Test Series (25%) July**

Chapter 17 Respiration  
Chapter 11 Transportation in plants  
Chapter 12 Mineral Nutrition  
Chapter 8 Cell  
Chapter 7 Structural organizations in animals

#### **For Half Yearly (50%) August — September**

Chapters in Test Series 1 + in Test Series 2  
Chapter 3 Plant Kingdom  
Chapter 18 Body fluids and circulation

#### **October — December**

Chapter 4 Animal kingdom  
Chapter 6 Anatomy in flowering plants  
Chapter 9 Biomolecules  
Chapter 10 Cell Cycle and Division  
Chapter 13 Photosynthesis in Plants  
Chapter 14 Respiration in plants  
Chapter 15 Growth and development  
Chapter 19 Excretory Products and Elimination

#### **January**

Chapter 20 Locomotion and Movements  
Chapter 21 and Chapter 22

#### **Final Exams (100%)**

## **-ACCOUNTANCY-**

Course book : T.S Grewal,NCERT  
Reference book : V. Wason,D. K Goel,Practice Manual  
Project : To be covered during the session 2017-18

### **APRIL-MAY**

**PART-A** Financial Accounting-I  
**Unit 1** **Theoretical Framework**  
Ch.1 Introduction to Accounting  
Ch.2 Basic Accounting Terms  
Ch.3 Theory Base of Accounting and Accounting Standards  
Ch.4 Process of Accounting & Basis of Accounting  
**Unit 2** **Accounting Process**  
Ch.5 Accounting Equation  
Ch.6 Accounting Procedure – Rules of Dr.& Cross.  
Ch.7 Business Transactions- Vouchers  
Ch.8 Journal and Ledger

### **JULY-AUGUST-SEPTEMBER**

#### **PART-A**

Ch.9 Special Purpose Book 1 – Cash book  
Ch.10 Special Purpose Book II- Other Book  
Ch.11 Trial Balance  
Ch.12 Bank Reconciliation Statement  
Ch.13 Depreciation  
Ch.14 Provision & Reserve  
Ch.15 Bills of Exchange  
Ch.16 Rectification of Errors

### **OCTOBER-NOVEMBER**

#### **PART-B**

**Financial Accounting -II**  
**Unit 3** **Financial Statement of Sole Proprietorship**  
Ch.17 Financial Statement of Sole Proprietorship  
Ch.18 Adjustment in Preparation of Financial Statement  
Ch.19 Accounts from Incomplete Records  
**Unit 4** **Financial Statement for Not for Profit Organisations**  
Ch.20 Financial Statement for Not for Profit Organisation

**DECEMBER**

**Unit 5                    Computer in Accounting**

**Term wise Syllabus**

First Test Series	Ch 1-8 (Part-A)
Second Test Series	Ch- 9-12 (Part-A)
Half yearly Examination	Ch-9-16 (Part-A)
Mock Annual Examination	Full Syllabus
Annual Examination	Full Syllabus

**Unit -wise Marking Scheme for Annual Exam**

<b>Part A</b>	<b>Financial Accounting-I</b>	
1.	: Theoretical framework	15 M
2.	: Accountings Process	35 M
<b>Part B</b>	<b>Financial Accounting-I</b>	
3.	: Financial Statements of Sole proprietorship	15M
4.	: Financial Statements of Non-profits	15 M
5.	: Computers in Accounting	10 M
<b>Part C</b>	<b>Project Work</b>	10 M
	Total	100 M

## **-BUSINESS STUDIES-**

**Course Book** : N.C.E.R.T.

**Reference Book** : **Business Studies by G.S.Alag and Subhash Dey**

**Practice Manual** : **Mount Abu Public School**

**Project** : **Project to be covered during the winter break**

### **APRIL - MAY**

Chapter 1 : Nature and Purpose of Business

Chapter 2 : Forms of Business Organization

### **JULY - AUGUST**

Chapter 2 : Forms of Business Organization (cont.)

Chapter 3 : Public, Private and Global Enterprises

Chapter 4 : Business Services

Chapter 5 : Emerging Modes of Business

### **SEPTEMBER – OCTOBER – NOVEMBER – DECEMBER**

Chapter 5 : Emerging Modes of Business (Cont.)

Chapter 6 : Social Responsibility of Business

Chapter 7 : Sources of Business Finance

Chapter 8 : Small Business

Chapter 9 : Internal Trade

Chapter 10 : International Business

### **TERM WISE SYLLABUS**

First test series : Chapter 1, 2

Second test series : Chapter 1,2,3

Third test series : Chapter 1to 5

Mock Annual Exam: Full Syllabus.

Annual Exam : Full syllabus

## **-ECONOMICS-**

Course Book	: Book-1 NCERT
Book-2 Sandeep Garg	
Book-1	: Indian Economic Development
Book-2	: Introduction to statistics
Project	: To be part of summer vacation

### **APRIL- JULY**

<b>Book -1</b>	<b>Indian Economic Development</b>
Ch-1	Indian Economy on the eve of Independence
Ch-2	Indian Economy (1950-1990)
Ch-3	New Economic Reforms
<b>Book-2</b>	<b>Introduction to statistics</b>
Ch-1	Introduction
Ch-2	Collection of Data
Ch-3	Organisation of Data
Ch-4	Presentation of Data

### **AUGUST-SEPTEMBER**

<b>Book -1</b>	<b>Indian Economic Development</b>
Ch-4	Poverty
Ch-5	Human Capital Formation
<b>Book-2</b>	<b>Introduction to statistics</b>
Ch-5	Measures of Central Tendency
Ch-6	Measures of Dispersion

### **OCTOBER-NOVEMBER**

<b>Book-1</b>	<b>Indian Economic Development</b>
Ch-6	Rural Development
Ch-7	Employment
Ch-8	Infrastructure
<b>Book-2</b>	<b>Introduction to statistics</b>
Ch-7	Correlation

### **DECEMBER-JANUARY**

<b>Book -1</b>	<b>Indian Economic Development</b>
Ch-9	Environment and Sustainable Development
Ch-10	Comparative Development Experiences of India and its neighbours
<b>Book-2</b>	<b>Introduction to statistics</b>
Ch-8	Index Numbers

### Marking Scheme

Part A : Statistics for Economics

1. Introduction (13 marks)
2. Collection, Organisation and Presentation of Data
3. Statistical Tools and Interpretation (27 marks)

Part B : Indian Economic Development

4. Development Experience (1947-90) and Economic Reforms since 1991 (12 marks)
  5. Current Challenges facing Indian Economy (20 marks)
  6. Development Experience of India – A Comparison with Neighbours (8 marks)
- Theory Paper (40+40) (80 marks)

Part C : Project Work (20 marks)

#### TEST SERIES

- |                  |   |                |                |
|------------------|---|----------------|----------------|
| 1st Test Series  | : | Book-1         | Ch-1,2         |
|                  |   | Book-2         | Ch-1,2         |
| Half Yearly Exam | : | Book-1         | Ch-1,2,3,4,5   |
|                  |   | Book-2         | Ch-1,2,3,4,5,6 |
| 2nd Test Series  | : | Book-1         | Ch-1,2,3       |
|                  |   | Book -2        | Ch-1,2,3,4     |
| Final Term       | : | Whole syllabus |                |



## **-POLITICAL SCIENCE-**

Course Book : Political Science NCERT : Book 1 & 2  
Ref. Book : School Practice Manual

### **APRIL-MAY**

Indian Constitution at Work :

L-1 Making of the Constitution  
L-9 Constitution as a living document  
L-10 Philosophy of the Constitution  
L-2 Fundamental Rights

### **JULY-AUGUST**

Political Theory :

L-1 Political Theory  
L-2 Freedom  
L-3 Equality  
L-4 Social Justice

Indian Constitution at Work :

L-3 Election and Representation  
L-4 Executive in Parliamentary System

### **OCTOBER-NOVEMBER**

Political Theory :

L-5 Rights  
L-6 Citizenship  
L-7 Nationalism  
L-8 Secularism  
L-9 Peace  
L-10 Development

Indian Constitution at Work :

L-5 Legislature at the central and state level  
L-6 Judiciary  
L-7 Federalism  
L-8 Local Government

### **Test Series**

#### **Ist Test Series**

Indian Constitution at work : L-1, 9, 10

#### **IInd Test Series**

Political Theory : L- 1, 2, 3

#### **Half-Yearly Syllabus**

Political Theory : L-1, 2, 3, 4, 5, 6  
Indian Const. at work : L-1, 2, 3, 4, 9, 10

**Mock Annual** : Whole Syllabus

**Annual Exam** : Whole Syllabus

## **-PSYCHOLOGY-**

### **APRIL-MAY**

- CHAPTER 1 : What is Psychology?  
CHAPTER 2 : Methods of Enquiry in Psychology

### **JUNE-JULY-AUGUST**

- CHAPTER 3 : The Bases of Human Behaviour  
CHAPTER 4 : Human Development  
CHAPTER 5 : Sensory, Attentional and Perceptual Processes

### **SEPTEMBER - OCTOBER**

- CHAPTER 6 : Learning  
CHAPTER 7 : Human Memory

### **NOVEMBER - DECEMBER**

- CHAPTER 8 : Thinking  
CHAPTER 9 : Motivation and Emotion

### **PRACTICALS**

1. Development of Case Profile  
Using appropriate methods like interview, observation and psychological tests.
2. Test administration
3. Students are required to understand 2 experiments.
  - \* Muller Lyer Experiment
  - \* Memory DrumIn practical examination, the student will be required to perform one of the experiment.

### **Termwise Syllabus**

- First test series : 1,2 (Till Correlational Research)  
Second test series : 2 (From Survey),3,4  
Half yearly Examination : 1,2,3,4,5  
Mock Annual Examination : Whole Syllabus  
2 Practicals  
Annual Exam : Whole Syllabus  
2 Practicals

## **-ENGINEERING GRAPHICS-**

### **APRIL - MAY**

- Letter writing vertical position, construction of lines, angles and their divisions, simple questions based on triangles, squares, regular polygons-pentagon, hexagon & octagon
- Construction of circles external & internal tangents of circles.

### **JULY - SEPTEMBER**

- Inscribing of circles in equilateral triangle, square, regular polygons-pentagon, hexagon
- Special curves
- Construction of ellipses
- Methods of orthographic Projections and dimensioning techniques
- Methods of orthographic Projections and dimensioning techniques
- Projection of points, lines, regular plane figure
- Construction of square, triangular pentagonal & hexagonal prisms and Pyramids

### **OCTOBER - DECEMBER**

- Orthographic view of Cones, Cylinder & all solids.
- Verticals Pyramid and Prism
- Horizontal solids with axis at right angles to V.P.
- Horizontal solids with axis parallel to V.P
- Solids inclined to V.P.
- Solids inclined to H.P
- Frustums of solids

### **JANUARY - FEBRUARY**

- Horizontal frustum inclined to V.P.
- Horizontal frustum inclined to H.P.
- Sectional Projections of verticals solid verticals sectioning, horizontal sectioning, oblique sectioning.
- Sectional Projection of solids with axis parallel to V.P.
- Orthographic Projections of Simple machine blocks
- Front view using first angle method of projection
- Construction of isometric scale showing main divisions of 10 mm & smaller divisions of 1 mm each.
- Isometric Projection of figures such as triangles, squares, pentagons, hexagons, circles & its one side should be either parallel to H.P. or V.P. and its one side should be either parallel or Perpendicular to H.P. / V.P.
- Isometric (Projection of solids, Prism, Pyramids or frustums of solid)

## **-PHYSICAL EDUCATION-**

### **1ST TEST SERIES (15%) (JUNE-JULY)**

- Unit I Changing Trends & Career in Physical Education
- Unit II Olympic Movement

### **2ND TEST SERIES (25%) (AUGUST)**

- Unit III Physical Fitness, Wellness & Lifestyle
- Complete Syllabus of 1st Test Series

### **HALF YEARLY EXAMINATION (50%) (SEPTEMBER)**

- Unit IV Physical Education & Sports for differently abled
- Unit V Yoga
- Unit VI Physical Activity & Leadership Training
- Complete Syllabus of 1st and 2nd test series

### **MOCK PRE BOARD EXAM (JANUARY)**

- Unit VII Test, Measurement & Evaluation
- Unit VIII Fundamentals of Anatomy & Physiology
- Unit IX Kinesiology, Biomechanics & Sports
- Unit X Psychology & Sports
- Unit XI Training in Sports
- Unit XII Doping
- Complete Syllabus

**Annual Exam :** Complete Syllabus

### **Practical Details :**

#### **1ST TEST SERIES**

1. AAPHERD Youth Fitness Test

#### **2ND TEST SERIES**

1. Pictorial presentation of any five Asanas for improving concentration. Practical File

#### **HALF YEARLY EXAM**

Practical 1 : Computation of BMI from family or neighbourhood & graphical representation of the data.

#### **MONTH WISE SYLLABUS DISTRIBUTION**

<b>APRIL</b>	Unit I	Changing Trends & Career in Physical Edu.
<b>MAY</b>	Unit II	Olympic Movement
<b>JULY</b>	Unit III	Physical Fitness, Wellness & Lifestyle
	Unit IV	Physical Education & Sports for Differently Abled
<b>AUGUST</b>	Unit V	Yoga
	Unit VI	Physical Activity & Leadership Training
<b>SEPT.</b>	Unit VII	Test, Measurement & Evaluation
	Unit VIII	Fundamental of Anatomy & Physiology
	Unit IX	Kinesiology, Biomechanics & Sports
<b>OCT.</b>	Unit X	Psychology & Sports
	Unit XI	Training in Sports
	Unit XII	Doping