

PREFACE

"Education is not the filling of a pail, but the lighting of a fire"

The aim of imparting education is not only to increase the knowledge but also to create the possibilities for a student to invent and discover.

The purpose of this syllabus, thus, is to establish minimum basic concepts for each subject to meet the needs of all our students.

All the elements in this curriculum model amalgamate to bring out the best in every child and enable them to be on the path of continuous progress.

Contained within this booklet, is the pattern of examination and detailed datesheet for the whole session which will help a child to get prepared for assessment and evaluation with ease and also bring about uniformity in the teaching learning process.

Objectives of the Curriculum

- To identify and articulate the curriculum challenges for educating young people for the twenty first century.
- Taking care of different styles of learning i.e. audio, visual and experimental.
- The theoretical knowledge to be pursued ensuring maximum application of it.
- Correlating academics to real life situations balancing social and emotional stimulation among children and imbibe human values.
- To shape and influence the development of a national collaborative approach to curriculum.

EXAMINATION SCHEDULE — 2019-20

Orientation Session of Class XII — 16th March, 2019

MAY TEST SERIES

Day	Date	Subject
Wednesday	01.05.19	English
Monday	06.05.19	B.St./Chemistry/Psychology
Monday	13.05.19	Maths/IP/Phy.Edu./Biology
Monday	20.05.19	Optional/Economics
Monday	27.05.19	Physics/Account./Pol.Science

PTM : 29.05.2019 (Tuesday)

- **No retest would be conducted EXCEPT for serious medical cases along with relevant documents only with the prior approval of the Principal AND students going for Inter-school competitions.**
- 25% syllabus of class XII would be tested.
- Regular classes will be held after each test and there are no holidays in between the weekly tests.
- Each paper would be of 2 hrs. duration and 50 marks.

JULY-AUGUST TEST SERIES

Day	Date	Subject
Monday	15.07.19	English
Monday	22.07.19	B.St./Chemistry/Psychology
Monday	29.07.19	Physics/Account./Pol.Science
Monday	05.08.19	Maths/IP/Phy.Edu./Biology
Tuesday	13.08.19	Optional/Economics

PTM : 23.08.2019 (Friday)

- **No retest would be conducted EXCEPT for serious medical cases along with relevant documents only with prior approval of the Principal AND students going for Inter-school competitions.**
- 15% syllabus of class XI and 50% syllabus of class XII would be tested.
- 10% of the Second Test Series for class XI would be added in the cumulative result of class XI.
- Each paper would be of 2 hrs. duration and 50 marks each for class XI, XII.
- Regular timings would be followed during the examination and there are no holidays in between the weekly tests.

HALF-YEARLY (September)

Day	Date	Subject
Wednesday	11.09.19	B.St./Chemistry/Psychology
Saturday	14.09.19	Optional/Economics
Tuesday	17.09.19	English
Friday	20.09.19	Physics/Account./Pol.Science
Monday	23.09.19	Maths/IP/Phy.Edu./Biology

PTM : 19.10.2019 (Friday)

- **No retest would be conducted EXCEPT for serious medical cases along with relevant documents only with prior approval of the Principal AND students going for Inter-school competitions.**
- 50% syllabus of class XI and 75% syllabus of class XII would be tested.
- 30% of the Half Yearly Examination for class XI would be added in their cumulative result.
- Each paper would be of 3 hrs. duration
- Each paper would be of 100 marks except the subjects with practical.
- Days other than the examination would be a preparatory off for the students.
- Regular timings would be followed during the examination.
- Revision classes would be held on the examination day for the next examination.
- It is mandatory for selected students to attend these revision classes.
- **No retest would be conducted.**

MOCK PRE-BOARD (December)

Day	Date	Subject
Monday	02.12.19	English
Thursday	05.12.19	Physics/Account./Pol.Science
Monday	09.12.19	B.St./Chemistry/Psychology
Thursday	12.12.19	Optional/Economics
Monday	16.12.19	Maths/IP/Phy.Edu./Biology

PTM : 31.12.2019 (Saturday)

- **No retest would be conducted EXCEPT for serious medical cases along with relevant documents only with the prior approval of the Principal AND students going for Inter-school competitions.**
- **Mock Pre Board Examination XII** : Whole syllabus would be tested, each paper would be of 3hrs. duration, of 100 marks except the subjects with practical.
- **November Test Series (XI)** : 25% syllabus would be tested, 10% of the Second Test Series would be added in the Annual Cumulative result of class XI.
- Each paper would be of 2 hrs. duration and 50 marks each for class XI, XII.
- Day other than the examination would be preparatory off for the students.
- Regular timings would be followed during the examination.
- Revision classes would be held on the examination day for the next examination.
- It is mandatory for selected students to attend these revision classes.

PRE-BOARD EXAM (January)

Day	Date	Subject
Wednesday	08.01.20	Optional/Economics
Saturday	11.01.20	English
Tuesday	14.01.20	Physics/Account./Pol.Science
Friday	17.01.20	Maths/IP/Phy.Edu./Biology
Monday	20.01.20	B.St./Chemistry/Psychology

PTM : 17.02.2020 (Monday)

- **No retest would be conducted EXCEPT for serious medical cases along with relevant documents only with the prior approval of the Principal AND students going for Inter-school competitions.**
- For class XII, mock pre board will be in the month of December, for class XI, Mock Annual will be in the month of January-February.

- Whole syllabus would be tested for both XI, XII.
- Each paper would be of 3 hrs. duration.
- Each paper would be 100 marks except the subjects with practical.
- Day other than the examination would be preparatory off for the students.
- Regular timings would be followed during the examination.
- Revision classes would be held on the examination day for the next examination.
- It is mandatory for selected students to attend these revision classes.

PRACTICAL EXAMINATION

Half-Yearly Practical		Mock Pre-Board	
Day	Date	Day	Date
Wednesday	25.09.19	Thursday	12.12.19
Thursday	26.09.19	Friday	13.12.19
Friday	27.09.19	Monday	16.12.19
Monday	30.09.19	Tuesday	17.12.19
Tuesday	01.10.19	Wednesday	18.12.19
Thursday	03.10.19	Thursday	19.12.19

Pre-Board Practical Examination	
Day	Date
Tuesday	21.01.20
Wednesday	22.01.20
Thursday	23.01.20
Friday	24.01.20
Saturday	25.01.20
Monday	27.01.20

ENGLISH

Prescribed Books : Flamingo and Vistas (NCERT)

Reference Book : BBC

: Oxford

MARCH

Flamingo : L1 The Last Lesson

Vistas : L2 The Tiger King

Writing Skills : Notice writing

APRIL

Famingo : L-2 The Lost Spring

: L-7 The Interview

: P-1 My Mother at Sixty Six

: P-2 Elementary School Classroom in a Slum

Vistas : L-5 Should Wizard Hit Mommy

Reading Skills : Comprehension skills, Note making

Writing Skills : Advertisements, Job Application, Report Writing (Magazine)

MAY

Flamingo : L-3 Deep Water

Vistas : L-4 The Enemy

: L-1 The Third Level

Writing Skills : Posters, Report writing (Newspaper), Letter to the Editor

JULY

Flamingo : L-4 The Rattrap

: P-3 Keeping Quiet

: L-6 Poets & Pancakes

Vistas : L-6 On the Face of it

Writing Skills : Invitations, Speech writing

AUGUST

Flamingo : L-5 Indigo

: P-4 A Thing of Beauty

Vistas : L-7 Evans tries an O Level

: L-3 Journey to the end of the Earth

Writing skills : Business Letters

SEPTEMBER

- Flamingo : L-8 Going Places
: P-6 Aunt Jennifer's Tigers
Vistas : L-8 Memories of Childhood
Writing Skills : Article writing

OCTOBER

- : Poem - The Roadside Stand
Writing Skills : Debate writing

TERM WISE SYLLABUS

MAY TEST SERIES

- Flamingo : L-7 The Interview
: L-1 The Last Lesson
: L-2 Lost Spring
: P-1 My Mother at Sixty Six
Vistas : L-2 The Tiger King
Reading Skills : Comprehension passage, Note making
Writing Skills : Notice writing, Advertisements, Job Application, Report writing.

JULY-AUGUST TEST SERIES

- Flamingo : L-1 The Last Lesson
: L-2 Lost Spring
: L-3 Deep Water
: L-7 The Interview
: P-1 My Mother at Sixty Six
: P-2 Elementary School Classroom in a Slum
Vistas : L-1 The Third Level
: L-4 The Enemy
: L-2 The Tiger King
: L-5 Should Wizard hit Mommy
Reading Skills : Comprehension passage
Note making
Writing Skills : Notice writing, Advertisements, Posters, Report writing, Letter to the Editor, Job Application.

HALF YEARLY EXAMS

Flamingo : L-1 to 3
: L-4 The Rattrap
: L-5 Indigo
: L-6 Poets & Pancakes
: L-7 The Interview
: Poetry 1 and 2
: P-3 Keeping Quiet
: P-4 A Thing of Beauty

Vistas : Lesson 1-5
:
: L-6 On the face of it
: L-7 Evan's tries an O Level

Reading Skills : Comprehension passage, Note making

Writing Skills : Notice writing, Advertisements, Posters,
Invitations, Report writing, Letter to the Editor,
Job Application, Business Letters, Speech writing.

MOCK PREBOARD EXAMS

Entire Syllabus

PRE-BOARD

Entire Syllabus

MATHEMATICS

Course Book : Mathematics Text Book NCERT
Reference Book : NCERT EXEMPLAR
Practice Manual : (MOUNT ABU PUBLIC SCHOOL)

MARCH-MAY

Chapter 2 : Inverse Trigonometric Functions
Chapter 5 : Continuity and Differentiability
Chapter 6 : Application of Derivatives
Chapter 3 : Matrices
Chapter 4 : Determinants

JULY-AUGUST

Chapter 7 : Integrals
Chapter 8 : Application of Integrals
Chapter 9 : Differential Equations
Chapter 12 : Linear Programming Problem

SEPTEMBER-OCTOBER

Chapter 10 : Vector Algebra
Chapter 11 : Three – Dimensional Geometry
Chapter 1 : Relations and Functions
Chapter 13 : Probability

Term Wise Syllabus

May Test Series : Chapters – 2, 5, 6
July-Aug. Test Series : Chapters –2 to 6 & Indefinite integrals
Half Yearly Exam : Chapters : 2 to 9 & 12
Mock Pre Board : Full Syllabus
Pre Board : Full Syllabus

INFORMATICS PRACTICE

Text Book : **Informatics Practices by CBSE**

MARCH - MAY

Chapter 1 : Computer Networking
Chapter 2 : Open Source Concepts
Chapter 3 : GUI Programming - A Review
Chapter 7 : Web Applications

JULY - AUGUST

Chapter 4 : Basics of Object Oriented Programming
Chapter 5 : Advanced Programming Concepts
Chapter 6 : Database Connectivity

SEPTEMBER - OCTOBER

Chapter 8 : My SQL Revision Tour
Chapter 9 : More on Databases and SQL
Chapter 10 : Advanced RDBMS Concepts
Chapter 11 : IT Applications

Term Wise Syllabus

MayTest Series : Chapter - 1, 2, 3, 7
July-Aug. Test Series : Chapter -1,2,3,4,5,6
Half-Yearly Exam : Chapter - 1,2,3,4,5,7,8,9
Mock Pre board : Entire Syllabus with Practical
Pre-Board : Entire Syllabus with Practical

COMPUTER SCIENCE

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

MARCH - MAY

Chapter 1 : Revision Tour
Chapter 2 : Object Oriented Programming
Chapter 3 : Function Overloading
Chapter 4 : Classes & Objects
Chapter 5 : Constructors & Destructors
Chapter 6 : Inheritance

JULY-AUGUST

Chapter 7 : Data File Handling
Chapter 8 : Pointers
Chapter 9 : Arrays

SEPTEMBER-NOVEMBER

Chapter 10 : Linked List, Stacks & Queues
Chapter 11 : Database Concepts
Chapter 12 : SQL
Chapter 13 : Boolean Algebra
Chapter 14 : Communication & Network Concepts

Termwise Syllabus

May Test Series : Chapter - 1, 2, 3, 4,5
July-Aug. Test Series : Chapter – 1,2,3,4,5,6,7
Half-Yearly Exam : Chapter - 1,2,3,4,5,7,8,9,10
Mock Pre board : Entire Syllabus with Practical
Pre-Board : 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 : Comprehensive (Laxmi Publications)

MARCH - MAY

Chapter 10 : Wave Optics
Chapter 9 : Ray Optics
Chapter 1 : Electric Charges and fields
Chapter 2 : Electrostatic Potential and Capacitance
Chapter 3 : Current Electricity

JULY - AUGUST

Chapter 3 : Current Electricity (continued)
Chapter 4 : Moving Charges and Magnetism
Chapter 5 : Magnetism and Matter
Chapter 6 : Electromagnetic Induction
Chapter 8 : Electromagnetic waves

SEPTEMBER – NOVEMBER

Chapter 7 : Alternating Current
Chapter 11 : Dual nature of matter and radiation
Chapter 12 : Atoms
Chapter 13 : Nuclei
Chapter 14 : Electronic Devices

TERM WISE SYLLABUS

May Test Series : Chapters - 9, 10
July-Aug. Test Series : Chapters - 1, 2, 3, 4, 9, 10
Half Yearly Exam : Chapters - 1, 2, 3, 4, 5, 6, 9, 10
Mock Pre Board : Full Syllabus
Pre Board : Full syllabus

CHEMISTRY

Course Book : Text book for Chemistry by NCERT

Reference Book : Pradeep's Publication, mtg question bank,
Chemistry Manual, Modern ABC

MARCH - APRIL - MAY

Theory :

- Chapter 10 : Haloalkanes and Haloarenes
- Chapter 11 : Alcohol, phenol and ethers
- Chapter 3 : Electrochemistry
- Chapter 2 : Solutions
- Chapter 4 : Chemical kinetics
- Chapter 16 : Chemistry in Everyday Life

JULY - AUGUST

Theory :

- Chapter 5 : Surface Chemistry
- Chapter 9 : Coordination Compound
- Chapter 14 : Biomolecules
- Chapter 8 : d and f Block Element
- Chapter-7 : P-Block Elements

SEPTEMBER - OCTOBER

Theory :

- Chapter 12 : Aldehydes, Ketones & Carboxylic Acids
- Chapter 13 : Amines
- Chapter 6 : General Principles and Processes of Isolation of Elements
- Chapter 15 : Polymers

Term Wise Syllabus

- May Test Series : Ch - 10, 11, 2, 3
- July-Aug. Test Series : Ch- 4, 16, 5, 14
- Half-Yearly Exam : Ch- 2, 3, 4, 5, 10, 11, 14, 16
- Mock Pre-Board : Full syllabus
- Pre-Board Exam : Full syllabus

BIOLOGY

Course Book : Biology text book NCERT

Reference Book : Practice Manual (School)

MARCH-MAY

- Chapter 1 : Reproduction in living Organisms
- Chapter 2 : Sexual Reproduction in Plants
- Chapter 3 : Human Reproduction
- Chapter 4 : Reproductive Health
- Chapter 5 : Principles of Inheritance and Variation
- Chapter 6 : Molecular Basis Of Inheritance
- Chapter 7 : Evolution

JULY-AUGUST

- Chapter 8 : Human health & diseases
- Chapter 9 : Strategies For enhancement in food production
- Chapter 10 : Microbes in Human Welfare
- Chapter 11 : Biotechnology-Principles and Processes

SEPTEMBER-NOVEMBER

- Chapter 12 : Biotechnology and its application
- Chapter 13 : Organisms & Population
- Chapter 14 : Ecosystem
- Chapter 15 : Biodiversity
- Chapter 16 : Environmental issues.

Term Wise Syllabus

- May Test Series : Chapters – 1, 2, 3, 4
- July-Aug. Test Series : Chapters – 5, 6, 7, 2, 3, 10, 8
- Half-Yearly Exam : Chapters : 1 to 11.
- Mock Pre Board : Full Syllabus.
- Pre Board : Full Syllabus

ACCOUNTANCY

Course book : NCERT

Reference book : T.S Grewal, Practice Manual

Project : To be covered during the session 2019-20

MARCH-APRIL-MAY

PART-A

Unit 1 Accounting for Not For Profit Organisation

Unit 2 Accounting for Partnership Firm

Ch. 1 Accounting for Partnership Firms

Ch. 2 Goodwill : Nature & Valuation

Ch. 3 Change in profit sharing ratio among the existing partners

Ch. 4 Admission of a partner

JULY-AUGUST-SEPTEMBER

PART-A

Unit 2 Accounting for Partnership Firm

Ch. 5 Retirement/ Death of a partner

Ch. 6 Dissolution of a Partnership firm

PART-B Financial Statement Analysis

Ch. 1 Financial Statement

Ch. 2 Financial Statement Analysis

Ch. 3 Comparative Statement and Common Size

Ch.4 Accounting Ratios

OCTOBER-NOVEMBER

PART-B Financial Statement Analysis

Ch. 5 Cash flow statement

PART-A

Unit 3 Accounting for Companies

Ch. 7 Accounting for Share Capital

Ch. 8 Accounting for Debentures

Term wise Syllabus

May Test Series : Financial Statement of Not For Profit Organization

: Part A Unit 2 Ch-1

July-Aug. Test Series: Part A (Unit-2) Ch-2-5

Half yearly Exam : Part A Unit 1, Unit 2 Ch : 1-6

: Part B Ch : 1-4

Mock Pre-Board : Full Syllabus

Pre-Board : Full Syllabus

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 : To be covered during the session 2018-19

MARCH – APRIL - MAY

Chapter 9 : Financial Management

Chapter 10 : Financial Markets

Chapter 11 : Marketing Management

Chapter 12 : Consumer Protection

JULY - AUGUST

Chapter 10 : Financial Markets (continued)

Chapter 1 : Nature and Significance of Management

Chapter 2 : Principles of Management

Chapter 3 : Business Environment

Chapter 4 : Planning

Chapter 8 : Controlling

SEPTEMBER –OCTOBER--- NOVEMBER

Chapter 5 : Organizing

Chapter 6 : Staffing

Chapter 7 : Directing

TERM WISE SYLLABUS

May Test Series : Chapter 9, 11, 12

July-Aug. Test Series : Chapter 1,2,9,10,11,12

Half Yearly Exam : Chapter 1,2,3,4,8,9,10,11,12

Mock pre board : Full Syllabus

Pre Board : Full syllabus

ECONOMICS

Course Book : N.C.E.R.T.
Reference Book : Sandeep Garg, S.K. Aggarwal, Subhash Dey
Practice Manual : Mount Abu Public School
Project : To be covered during the Session 2019-20
MARCH – MAY

Macro Eco.

Unit 1 : National Income & Related Aggregates
Unit 2 : Money & Banking

Indian Economic Development

Chapter - 1 : Indian Economy on the Eve of Independence
Chapter - 2 : Indian Economy (1950-1990)
Chapter - 3 : Liberalisation, Privatisation & Globalisation
Chapter - 10 : Development Experience of India, China & Pakistan

JULY – AUGUST

Macro Eco.

Unit 4 : Government Budget & Economy
Unit 5 : Balance of Payments

Indian Economic Development

Chapter - 4 : Poverty
Chapter - 5 : Rural Development
Chapter - 8 : Infrastructure
Chapter - 9 : Sustainable Economic Development

OCTOBER – NOVEMBER

Macro Eco.

Unit 3 : Determination of Income and Employment

Indian Economic Development

Chapter - 6 : Human Capital Formation
Chapter - 7 : Employment

TERM WISE SYLLABUS

May test series : Macro Eco. : Unit 1 & 2
Indian Eco. : Ch- 1 & 2
July-Aug.test series: Macro Eco. : Unit 1, 4 & 5
Indian Eco. : Ch - 3, 4 & 10
Half Yearly Exam : Macro Eco. : Unit 1, 2, 4 & 5
Indian Eco. : Ch - 2, 3, 4, 5, 8, 9 & 10
Mock Pre-Board : Full Syllabus
Pre Board Exam : Full syllabus

PSYCHOLOGY

MARCH-APRIL-MAY

- CHAPTER 1 : Variations in Psychological Attributes
CHAPTER 2 : Self and Personality
CHAPTER 3 : Meeting life Challenges

JUNE-JULY-AUGUST

- CHAPTER 4 : Psychological Disorders
CHAPTER 5 : Therapeutic Approaches
CHAPTER 6 : Attitude and Social Cognition

SEPTEMBER-OCTOBER

- CHAPTER 7 : Social Influences and Group processes
CHAPTER 8 : Psychology and Life
CHAPTER 9 : Developing Psychological Skills

Examwise Syllabus

- May Test Series : Ch - 1, 2, 3
July-Aug.Test Series : Ch - 4, 5, 6 (till attitude change)
Half yearly Examination : Chapter – 1, 2, 3, 4, 5, 6
2 Practicals
Mock Pre Board Exam : Whole Syllabus
5 Practicals
Pre Board Examination : Whole Syllabus
5 Practicals

POLITICAL SCIENCE

Course Books : Political Science NCERT
1. Politics of India since Independence
2. Contemporary World Politics

Ref. Book. : School Practice Manual
MARCH - MAY

Politics in India

- L-1 Challenges of Nation Building
- L-2 Era of One party Dominance
- L-3 Politics of Planned Development
- L-4 India External Relations
- L-5 Challenges to and restoration of the Congress System
- L-6 Crisis of Democratic Order

Contemporary World Politics

- L-1 The Cold War
- L-2 The End of Bipolarity
- L-3 US Hegemony in World Politics
- L-4 Alternative Centres of Power
- L-5 Contemporary South Asia

JULY - AUGUST

Politics in India

- L-7 Rise of Popular Movement
- L-8 Regional Aspirations
- L-9 Recent developments in Indian Politics
- L-6 International Organisations
- L-7 Security in the Contemporary World

SEPTEMBER - OCTOBER

Contemporary World Politics

- L-8 Environment and Natural Resources
- L-9 Globalisation

Termwise Syllabus

May Test Series

Politics in India : L-1, L-2, L-3, L-4

July -August Test Series

Politics in India : L-1, L-2, L-3, L-4, L-5, L-6

Contemporary World Politics : L-1, L-2, L-3

Half Yearly Syllabus :

Politics in India : L-1, L-2, L-3, L-4, L-5, L-6

Contemporary World Politics : L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9

Mock Pre-Board Whole Syllabus

Pre-Board Whole Syllabus

ENGINEERING GRAPHICS

Code No. 046 Termwise Syllabus / Activities

One Paper	3 hours	70 marks
Q.1	Isometric Projections of solids	24 marks
	a) Isometric scale	
	b) Single solid	
	c) Combination of solids	
Q.2	Drawing of machine parts	13 marks
	a) Drawing to full size scale With instruments (Internal choice will be given between any two)	
	b) Freehand sketches (Internal choice will be given between any two)	
Q.3	Sectional View assembly of	28 marks
	Machine parts (Internal choice will be given between any two)	
	1. Bearings 2. Rod Joints	
	3. Pipe Joint 4. Flange coupling	
	a) Unprotected flange coupling	
	b) Protected flange coupling	
—	Dis-assembly drawings from isometric view	
	1. Open bearing	
	2. Bushed bearing	
	3. Socket and spigot cotter joint	
Q.	Multiple Choice	5 marks

MARCH

- Isometric projection of solids.
Construction of isometric scale
- Isometric projection (drawn to isometric scale) of solids such as cube, regular prism and pyramids (triangular, square, pentagonal and hexagonal) cone cylinder, sphere, hemisphere, frustums and cone, when they are cut by a plane parallel to the base. The axis of the solid should be either perpendicular to H.P. or perpendicular to the V.P. or parallel to V.P. both.

MAY

- Combination of two solids, Keeping the base side parallel or perpendicular to H.R/V.P. and placed centrally together, but in no case the common axis of both the solids be given parallel to H.P.
- Machine Drawing
 - Standard profiles of screw threads (square, Knuckle, B.SW, Metric (external and internal)
 - Bolts (square, hexagonal, T-headed and Hook)
 - Nuts (Square, and Hexagonal)
 - Plain washer
 - Combination of nut and bolt with or without washer for assembling two parts together
 - Single riveted lap joint with standard dimensions.

JULY-AUGUST

- Freehand sketches
- Conventional representation of external and internal threads, studs, screws (round-head, cheese head, counter sunk head, hexagonal, socket head)
- Type of rivets (snap head, pan head, without tapered neck) flat head and 600 countersunk.
- Type of Keys - rectangular taper, woodruff and double head feather key with gib head on both sides

Assembly Drawing

- Open Bearing
- Bushed Bearing

SEPTEMBER

- Footstep Bearing (only sectional front view will be asked)
- Plummer Block (only sectional front view will be asked)
- Rod Joints
 - Cotter Joints
 - 1) Socket and spigot joint
 - 2) Sleeve and cotter joint
 - 3) Gib and cotter joint
- Knuckle joint (only sectional front view will be asked)

OCTOBER

Turn buckle

Flange pipe joint

Couplings :

- 1) Unprotected flange coupling
- 2) Protected flange coupling

Pulleys - (upto 200 mm diameter)

NOVEMBER

1. Solid cast iron pulley
2. Single groove V-belt pulley

DECEMBER

Dis-assembly drawings From isometric views :

- 1) Open bearing
- 2) Bushed bearing
- 3) Socked and spigot cotter joint.

Practicals (30 marks)

Isometric drawing & third missing view of 15 machine blocks.

- Copy the given views
- Drawing the missing view with hidden lines
- Sketching the isometric view without hidden lines.
- To make the machine block by using soap cake
- Auto card
- Using auto cad making / prepare file of simple drawings.
- Viva from the syllabus.

PHYSICAL EDUCATION

MAY TEST SERIES

25% Syllabus would be tested.

Chapters covered : 1 and 2

JULY-AUGUST TEST SERIES

50% of Syllabus will be tested.

Chapters covered : 3, 4 and 5

HALF YEARLY EXAMINATION(SEPTEMBER)

80% of Syllabus will be tested.

Chapters covered : 6, 7 and 8

MOCK PRE BOARD EXAM (DECEMBER)

Whole Syllabus will be tested.

Chapters covered : Complete Syllabus

PRE-BOARD EXAM (JANUARY)

Whole Syllabus will be tested.

Chapters covered : Complete Syllabus

Practical Examination

HALF YEARLY PRACTICAL EXAM

1. Any one practical : Fitness Test

MOCK PRE-BOARD PRACTICAL EXAM

1. Any two practical : (a) Senior citizen test and (b) Practical File

PRE-BOARD PRACTICAL EXAM

1. Any two practical : (a) Barrow test and (b) Any one game

Termwise Syllabus

May Test Series

Chapter - 1 : Planning in Sports

Chapter - 2 : Sports and Nutrition

Chapter - 3 : Yoga And Lifestyle

July-Aug. Test Series

Chapter - 4 : Physical Education and Sports for CWSN

Chapter - 5 : Children and Women in Sports

Chapter - 6 : Test and Measurement in Sports

Half Yearly Syllabus :

Chapter - 7 : Physiology and Injuries in Sports

Chapter - 8 : Biomechanics and Sports

Chapter - 9 : Psychology and Sports

Chapter - 10 : Training in Sports

Mock Pre-Board Whole Syllabus

Pre-Board Whole Syllabus

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