

ST. FRANCIS CO-ED SCHOOL, BARRAI, BHOPAL
CLASS-XI (A/B)
SYLLABUS 2026-27

ENGLISH

PT-I

(Hornbill)

Lesson-1 The Portrait of a Lady

Lesson-2 we're Not Afraid to Die...if We can All Be Together

(Snapshot)

Lesson-1 The Summer of the Beautiful White Horse

Lesson-2 The address

(Poem)

1. A photograph

(Grammar)

Tenses

Modals

Transformation of sentences

Subject-verb Concord and General Grammar

(Writing skills)

Speech

Term-1

(Hornbill)

Lesson-1 to 2

Lesson-3 Discovering Tut: Saga continues

(Snapshot)

Lesson-1 The Summer of the Beautiful White Horses

Lesson-2 The Address

Lesson- 3 Mother's Day.

(Poem)

1. A Photograph

2. The Laburnum Top

3. The voice of the Rain

(Writing skills)

Advertisement

Speech

(Grammar)

Tenses

Modals

Transformation of sentences

Subject-verb

General grammar

PT-II

(Hornbill)

Lesson- 4 The Adventure

(Snapshot)

Lesson-3 Mother's Day

(Poem)

1. Childhood
2. Father to Son

(Grammar)

Tenses Modal verbs
Transformation of sentences
Subject verb Concord

(Writing skills)

Advertisement
Speech
Poster

Term-II

(Hornbill)

Lesson-1 to 4
Lesson- 5 The Adventure
Lesson-6 Silk Road
(Snapshots)
Lesson-1 to 4
Lesson-5 Birth
Lesson-6 The Tale of Melon City

Poem)

1. A Photograph
2. The Laburnum Top
3. The Voice of the Rain
4. Childhood
5. Father to son

(Grammar)

Tenses Modals verb
Transformation of sentences
Subject-verb Concord

(Writing skills)

Advertisement
Poster
Speech
Debate

MATHEMATICS

PT- I

- Chapter-1 Sets
- Chapter-2 Relations and functions

Term-I

- Chapter-1 Sets
- Chapter-2 Relations and functions
- Chapter-3 Trigonometry
- Chapter-4 Principal of mathematical induction
- Chapter-5 Complex Numbers
- Chapter-6 Linear inequalities
- Chapter-7 Permutations and Combinations
- Chapter -8 Binomial

PT-II

- Chapter -9 Sequence and series
- Chapter -10 Straight lines

Term-II

- Chapter-1 Sets
- Chapter-2 Relations and functions
- Chapter-3 Trigonometric functions
- Chapter-4 Principal of mathematical induction
- Chapter-5 Complex Numbers and Quadratic Equations
- Chapter-6 Linear Inequalities
- Chapter-7 Permutations and Combinations
- Chapter -8 Binomial Theorem
- Chapter -9 Sequence and series
- Chapter -10 Straight lines
- Chapter-11 Conic Sections
- Chapter -12 Introduction to Three-dimensional geometry
- Chapter- 13 Limits and derivatives
- Chapter- 14 Statistics
- Chapter -15 Probability

BIOLOGY

PT-I

1. The living world
2. The biological classification
3. Plant Kingdom

Term-I

1. Chapter 1 The living world
2. Biological classification
3. Plant Kingdom
4. Animal Kingdom
5. Morphology of flowering plants
6. Anatomy of flowering plants
7. Structural organization in animals
8. Cell the unit of life
9. Biomolecules
10. Cell division

PT-II

1. Chapter 11 Photosynthesis in higher plants
2. Chapter 12 Respiration in plants

Term-II

- Chapter 1-12
- Chapter 13 Plant growth and regulator
- Chapter 14 Breathing
- Chapter 15 Circulation
- Chapter 16 Excretory production Chapter
- Chapter 17 Location and movement
- Chapter 18 Neural control and co-ordination
- Chapter 19 Chemical co-ordination and integration

PHYSICS

PT-I

- CH-1 Units and measurements
- CH-2 Motion in a straight line

TERM-I

- CH-3 Motion in a plane
- CH-4 Laws of motion
- CH-5 Work, Energy and Power
- CH-6 System of particles and rotational motion
- CH-7 Gravitation

PT-II

- CH-8 Mechanical properties of solids
- CH-9 Mechanical properties of fluids

TERM-II

- CH-10 Thermal properties of matter
- CH-11 Thermodynamics
- CH-12 Kinetic theory
- CH -13 Oscillations
- CH-14 Waves

CHEMISTRY

PT-I

- CH-1 Some basic concepts in chemistry

TERM-I

- CH-1 Some basic concepts in chemistry
- CH-2 Structure of atom
- CH-3 Periodic classification of elements
- CH-4 Chemical bonding and molecular structure

PT-II

- CH-5 Chemical thermodynamics
- CH-6 Chemical equilibrium

TERM-II

- CH-1 Some basic concepts in chemistry
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- CH-3 Periodic classification of elements
- CH-4 Chemical bonding and molecular structure
- CH-5 Chemical thermodynamics
- CH-6 Chemical equilibrium
- CH-7 Redox reactions
- CH-8 Some basic concepts in organic chemistry
- CH-9 Hydrocarbon

PHYSICAL EDUCATION -

PT-I

- Chapter 1 -Changing trends and career in Physical Educational
- Chapter 2- Olympic value education

Term -I

- Chapter 1 -Changing trends and career in Physical Educational
- Chapter 2- Olympic value education
- Chapter 3- Yoga
- Chapter 4 - Physical Education and sports for CWSN
- Chapter 5- Physical fitness, wellness and lifestyle

PT-II

- Chapter 6- Test, measurement and evaluation
- Chapter 7– Fundamentals of anatomy, physiology in sports
- Chapter 8 - Fundamentals of kinesiology & Biomechanics in sports

Term-II

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- Chapter 8 - Fundamentals of kinesiology & Biomechanics in sports
- Chapter 9- Psychology and sports
- Chapter 10- Training and doping in sports

APPLIED MATHEMATICS

PT-I

Unit 1: Number, Quantification and Numerical Applications

Numbers and Quantification

- Simple applications of logarithm and antilogarithm
- Laws and properties of logarithms
- Indices, logarithms and antilogarithms

- Binary numbers

Numerical Applications

- Seating arrangement
- Time, work and distance
- Calendar
- Clock
- Averages

TERM-I

Numbers and Quantification

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Unit 2: Algebra

Sets

- Operations on sets
- Venn's diagrams
- Intervals
- Subsets
- Types of sets and their notations
- Representation of sets
- Introduction to sets – definition

Relations

- Relations
- Cartesian product of two sets
- Ordered pairs

Sequence and series

- Applications of AP and GP
- Geometric progression
- Arithmetic progression
- Sequence and series

Permutations and combinations

- Combinations
- Permutations
- Fundamental principle of counting
- Factorial

Unit 3: Mathematical Reasoning

- Logical Reasoning

Unit 4: Calculus

- Derivatives of algebraic functions using chain rule
- Differentiation as a process of finding derivative
- Instantaneous rate of change
- Concepts of limits and continuity of a function
- Graphical representation of functions
- Types of functions
- Domains and range of functions
- **Functions**

PT- II

Unit 5: Probability

- Bayes theorem
- Total probability
- Conditional probability
- Event
- Random experiment and sample space
- Introduction

TERM-II

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- **Functions**

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- Event
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- Introduction

Unit 6: Descriptive Statistics

- Correlation
- Percentile rank and quartile rank
- Data interpretation
 - Skewness and kurtosis
 - Measure of dispersion

Unit 7: Financial Mathematics

- Calculation and interpretation of electricity bill, water supply bills and other bills
- Bills, tariff rates, fixed charges, surcharge, service charge
- Tax, calculation of tax, simple applications of tax calculations in Goods and Services tax, income tax
- Simple applications of regular annuities [upto 3 periods]
- Annuities, calculating regular annuities
- Present value, net present value and future value
- Effective rate of interest
- Simple and compound interest rates with equivalency
- Accumulation with simple and compound interest
- Interest and interest rates

Unit 8: Coordinate Geometry

- Parabola
- Circle
- Straight line

INFORMATICS PRACTICES

PT-I

Ch.- 2 Getting Started with Python

Ch-3 - Python Fundamentals

Ch-4 - Data Handling

Term- I

Ch.- 1 Computer System

Ch.- 2 Getting Started with Python

Ch.- 3 Python Fundamentals

Ch.- 4 Data Handling

Ch.- 5 Flow of Controls

PT-II

Ch.-6 List Manipulation

Ch.-7 Dictionaries

Ch- 8 Working with Numpy

Term- II

Ch.- 1 Computer System

Ch.- 2 Getting Started with Python

Ch.- 3 Python Fundamentals

Ch.- 4 Data Handling
Ch.- 5 Flow of Controls
Ch.-6 List Manipulation
Ch.-7 Dictionaries
Ch- 8 Working with Numpy
Ch.-9 Database Concept
Ch.-10 Structured Query Language
Ch.-11 Emerging Trends

PHYSICAL ACTIVITY TRAINER (845)

PT-I

Subject Specific Skills

UNIT 1: Role of physical education in child Development

Employability Skills

UNIT-1: Communication skills III

TERM-I

Subject Specific Skills

UNIT 1: Role of physical education in child Development

UNIT 2: Prop and equipment

Employability Skills

UNIT-1: Communication skills III

UNIT-2 : Self-management skills III

UNIT-3 : Information and Communication Technology Skills III

PT-II

Subject Specific Skills

UNIT 3: Hygiene and safety

Employability Skills

UNIT-4: Entrepreneurial Skills III

TERM-II

Subject Specific Skills

UNIT 1: Role of physical education in child Development

UNIT 2: Prop and equipment

UNIT 3: Hygiene and safety

UNIT 4: Sports and Fitness

Employability Skills

UNIT-1: Communication skills III

UNIT-2 : Self-management skills III

UNIT-3 : Information and Communication Technology Skills III

UNIT-4: Entrepreneurial Skills III

UNIT-5: Green Skills III