

**ST. FRANCIS CO-ED SCHOOL, BARRAI, BHOPAL**  
**CLASS-XI A & B**  
**SYLLABUS 2024-25**

**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 1**

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

**Term 1**

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-2**

1. Chapter 13 Photosynthesis in higher plants
2. Chapter 14 Respiration in plants

### **Term-2**

Chapter 1\_14

Chapter 15 Plant growth and regulators Chapter 17

Breathing

Chapter 18 Circulation

Chapter 19 Excretory production Chapter

20 Location and movement

Chapter 21 Neural control and co-ordination Chapter 22

Chemical co-ordination and integration

## **CHEMISTRY**

### **PT-1**

Chapter-1 some basic concepts of chemistry

Chapter-2 structure of atom

### **Term-1**

Chapter-1 some basic concepts of chemistry

Chapter-2 structure of atom

Chapter-3 classification of elements and periodicity

Chapter- 8 some basic principles of organic chemistry

### **PT-2**

Chapter-4 chemical bonding and molecular structure

Chapter-7 Redox reactions

## **TERM II**

CH 1 to 9

Chapter 5 Thermodynamics

Chapter 6 Equilibrium

Chapter 9 Hydrocarbon

## **PHYSICS**

### **PT -1**

CH -2 Units and measurements

CH -3 Motion in a straight line.

CH -4 Motion in a plane

CH -5 Laws of motion

CH -6 Work, energy and power

CH -7 System of particles and rotational motion

### **Term-I**

CH - 2, 3, 4, 5, 6, 7 & 8

CH -8 Gravitation

CH- 9 Mechanical properties of solids

### **PT-2**

CH -10 Mechanical properties of fluids

CH -11 Thermal properties of matter

CH -12 Thermodynamics

CH - 13 Kinetic theory of gases

## **TERM- II**

CH 1 to 13 and  
CH – 14 Oscillation  
CH - 15 Waves

## **PHYSICAL EDUCATION**

### **PT1**

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

### **Term 1**

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

### **PT 2**

Chapter 6 – fundamental and kinesiology and biomechanics  
chapter 7- Test, measurement and evaluation

## **TERM-II**

Chapter 1 -Changing trends and career in Physical Educational  
Chapter 2- Olympic value education  
Chapter 3- Physical fitness, wellness and lifestyle  
Chapter 4 - Physical Education and sports for CWSN  
Chapter 5- Yoga  
Chapter 6 - Physical activity and leadership training  
Chapter 7- Test, measurement and evaluation  
Chapter 8- Fundamentals of anatomy physiology and kinesiology in sports  
Chapter 9- Psychology and sports  
Chapter 10- Training and doping in sports

## **ENGLISH**

### **Periodic Test-1**

#### **(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 General

grammar

**(Writing skills)**

Speech

### **Term-1**

#### **(Hornbill)**

Lesson-1 to 2

Lesson-3 Discovering Tut: Saga continues  
Lesson-4 Landscape of the soul (**Snapshots**)  
Lesson-1 The Summer of the Beautiful White Horses  
Lesson-2 The Address  
Lesson -3 Ranga's Marriage Lesson-4  
Albert Einstein at school (**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

### **Periodic Test-2**

(**Hornbill**)

Lesson-5 The Ailing planet: the Green Movement's Role

Lesson-6 The Browning Version

(**Snapshot**)

Lesson-5 Mother's Day

Lesson-6 The Ghat of the only World

(**Poem**)

1. Childhood
2. Father to Son (**Grammar**) Tenses Modal verbs

Transformation of sentences

Subject verb Concord General

grammar

(**Writing skills**)

Advertisement

Speech

Poster

### **Term-2**

(**Hornbill**)

Lesson-1 to 6

Lesson- 7 The Adventure

Lesson-8 Silk Road

(**Snapshots**)

Lesson-1 to 6

Lesson-7 Birth

Lesson-8 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 General

grammar

(**Writing skills**)

Advertisement

Poster

Speech

Debate