

St. Francis' Convent Inter College

Jhansi

Class XI

English Literature

Term I

Drama

- Act – I

Poetry

- The Gift of India
- Desiderata

Prose

- Salvatore
- Fritz

Term II

Drama

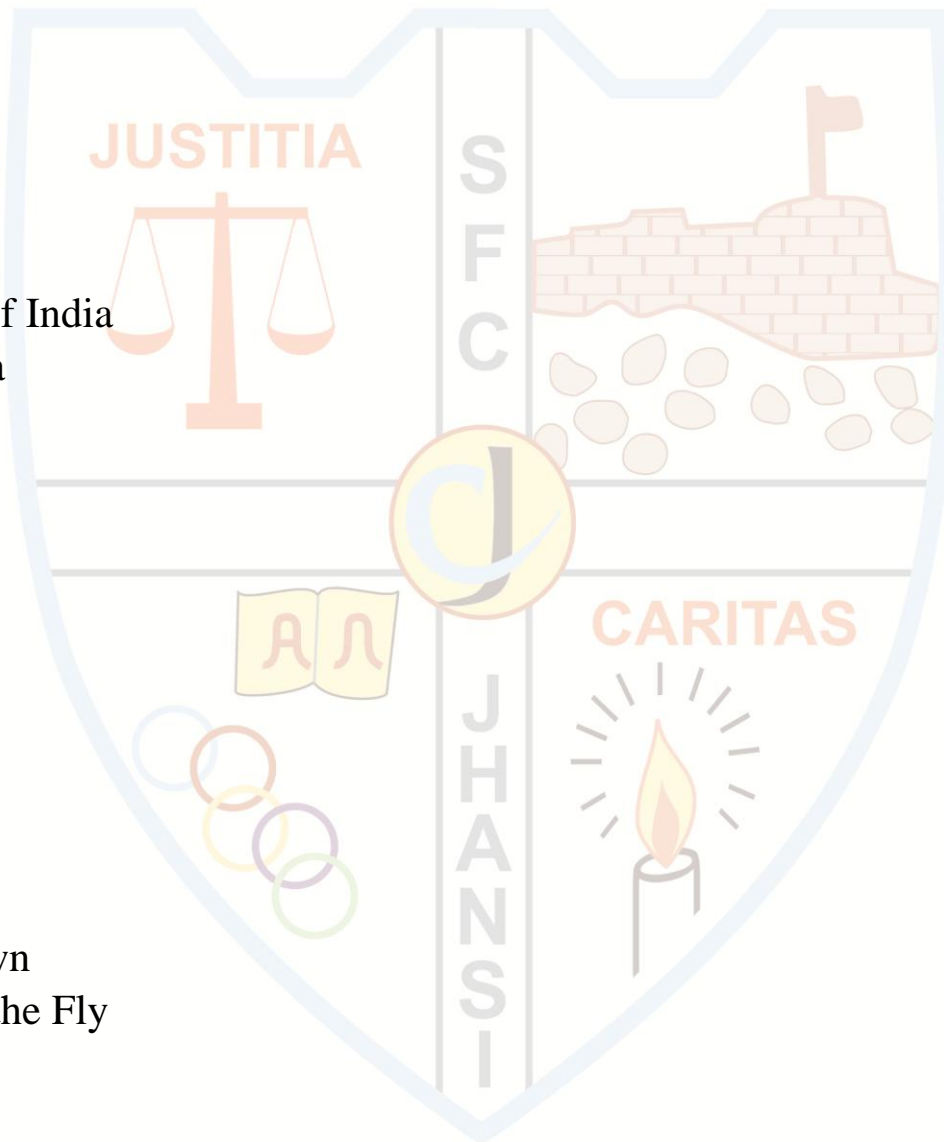
- Act – II

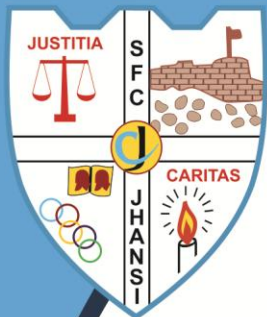
Poetry

- John Brown
- Spider & the Fly

Prose

- Quality
- Gorilla in the Guest House





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Term III

Drama

- Act – III

Poetry

- Dolphins

Prose

- The Chinese Statue

Chemistry

Term I

Physical Chemistry

- Lesson-1: Some basic Concepts of Chemistry
- Lesson-2: Structure of an Atom
- Lesson-3: Classification of Elements and Periodicity in properties

Inorganic Chemistry

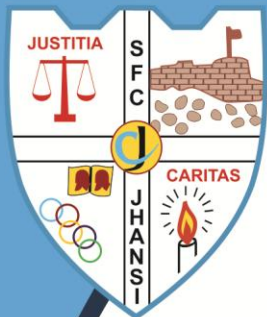
- Lesson-8: Redox reactions
- Lesson-9: Hydrogen

Organic Chemistry

- Lesson-12: Some Basic Principles of organic chemistry

Term II

- Lesson-4: Chemical Bonding
- Lesson-5: States of Matter- Gases and Liquids



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- Lesson-10: S-Block elements
- Lesson-13: Hydrocarbons
- *Including I Term*

Term III

- Lesson-6: Chemical Thermodynamics
- Lesson-7: Chemical Equilibrium
- Lesson-13: Some P-Block Elements
- Lesson-13: Environmental Chemistry
- *Including I and II Term*

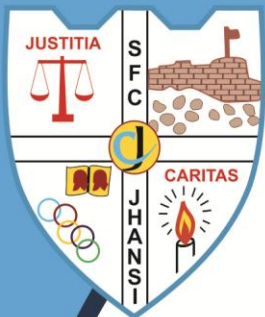
Physics

Term I

- Chapter-1: Physical World
- Chapter-2: Units and Measurement: Error Analysis
- Chapter-3: Dimensional Analysis
- Chapter-4: Motion in a straight line
- Chapter-5: Motion in a plane
- Chapter-6: Newton's laws of Motion
- Chapter-7: Friction
- Chapter-8: Uniform Circular Motion
- Chapter-9: Work, Power and Energy

Term II

- Chapter-3: Dimensional Analysis
- Chapter-5: Motion in a plane
- Chapter-8: Uniform Circular Motion



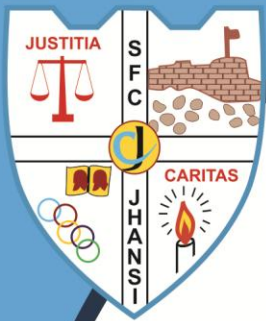
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- Chapter-10: Centre of Mass
- Chapter-11: Rotational Motion of a rigid body: Moment of Inertia
- Chapter-12: Gravitation: Planets and Satellites
- Chapter-13: Elasticity
- Chapter-14: Fluid Pressure
- Chapter-15: Flow of liquids
- Chapter-16: Surface Tension
- Chapter-17: Thermal Properties of Matter
- Chapter-18: Heat Transfer
- Chapter-19: Thermodynamics
- Chapter-20: Isothermal & Adiabatic Processes
- Chapter-21: Heat Engine: Second law of Thermodynamics

Term III

- Chapter-22: Behaviour of Perfect Gas & Kinetic Theory of Gases
- Chapter-23: Simple Harmonic Motion
- Chapter-24: Free, Damped & Forced Oscillations
- Chapter-25: Waves
- Chapter-26: Waves motion
- Chapter-27: Superposition of waves-1: Interference and Beats
- Chapter-28: Superposition of waves-2: Stationary Waves: Vibration of Air Columns
- Chapter-29: Vibration of stretched strings
- Chapter-30: Doppler Effect
- *Including First & Second Term Syllabus*



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Biology

Term I

Unit-1: Diversity of Living organism

- The Living World
- Biological classification
- Animal Kingdom

Unit-2: Structural organization in Animals and Plants

- Morphology of Flowering Plant

Unit-3: Cell-structure and function

- Cell- The Unit of Life
- Cell cycle and cell division

Unit-4: Plant physiology

- Transport in Plant
- Mineral nutrition

Unit-5: Human physiology

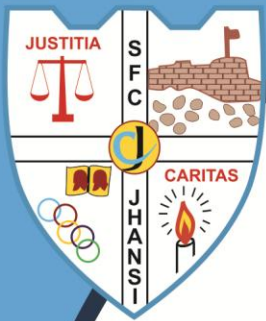
- Body fluid and circulation
- Excretory product and their elimination
- Neural control and coordination

Term II

Unit-1: Diversity of Living organism

- Plant Kingdom

Unit-2: Structural organization in Animals and Plants



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- Anatomy of flowering plants

Unit-3: Cell-structure and function

- Biomolecules

Unit-4: Plant physiology

- Plant growth and development
- Respiration in plants

Unit-5: Human physiology

- Digestion and Absorption
- Breathing and exchange of gases
- Chemical co-ordination and Integration

Term III

Unit-2: Structural organization in Animals and Plants

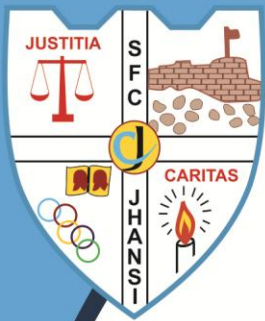
- Structural organization in Animals

Unit-4: Plant physiology

- Photosynthesis in higher plants

Unit-5: Human physiology

- Locomotion and Movement



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Mathematics

Term I

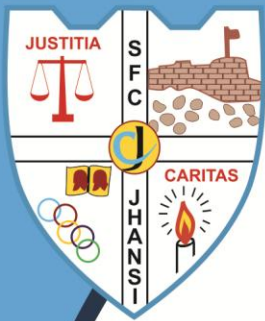
- Chapter-1: Sets
- Chapter-2: Relations and Functions
- Chapter-3: Angles and Arc Lengths
- Chapter-5: Compound and Multiple Angles
- Chapter-10: Quadratic Equations
- Chapter-11: Inequalities
- Chapter-14: Sequence and Series

Term II

- Chapter-6: Trigonometrical Equations
- Chapter-7: Properties of Triangles
- Chapter-8: Mathematical Induction
- Chapter-9: Complex Numbers
- Chapter-12: Permutation and Combinations
- Chapter-13: Binomial Theorem
- Chapter-15: Basic point and coordinates
- Chapter-16: The straight line
- Chapter-17: Circles
- Chapter-18: Limits
- Chapter-19: Differentiation

Term III

- Chapter-20: Measures of Central Tendency
- Chapter-21: Measures of Dispersion
- Chapter-22: Probability



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- Chapter-28: Statistics
- Chapter-29: Correlation Analysis
- Chapter-30: Index Numbers
- Chapter-31: Moving Averages

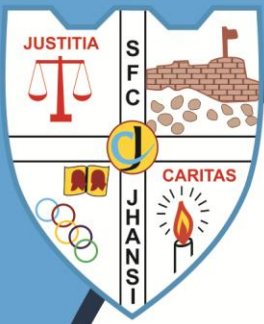
XI- B

- Chapter-20: Measures of Central Tendency
- Chapter-21: Measures of Dispersion
- Chapter-22: Probability
- Chapter-23: Parabola
- Chapter-24: Ellipse
- Chapter-25: Hyperbola
- Chapter-26: Points and their coordinates in 3-D
- Chapter-27: Mathematical Reasoning

Commerce

Term I

- Classification of Human Activities- Economic and Non-Economic
- Nature and Objectives of Business
- Classification of Business Activities
- Introduction to Business Organization
- Sole Trade
- Partnership
- Joint Stock Company
- Type of Companies
- Formation of a Company



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Term II

- Public Enterprises, public utilities and public Private partnerships
- Co-operative Organization
- Social Responsibility of Business and Business Ethics.
- E-Business and outsourcing
- Stock Exchange
- Wholesale Trade (Wholesalers)
- Retail Trade (Retailer)
- Procedure and Documents used in Home Trade
- Chambers of Commerce & Industry

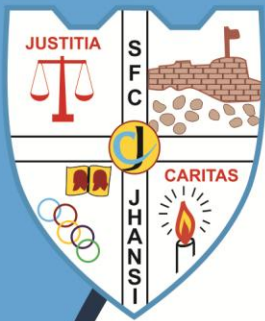
Term III

- Nature and Scope of Foreign Trade
- Export Trade
- Import Trade
- World Trade Organization-WTO
- Business Risks and Insurance
- Types of Insurance

Economics

Term I

- Lesson-1: Definition of Economics
- Lesson-2: Basic concepts of Economics
- Lesson-3: Basic concepts of an Economy
- Lesson-4: Types of Economy
- Lesson-5: Solution to the Basic Economic Problems



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- Lesson-6: Indian Economy on the eve of Independence
- Lesson-7: Economic growth and Economic development
- Lesson-8: Parameters of Development
- Lesson-17: Statistics: Definition, scope, importance, limits
- Lesson-19: Measures of central Tendency
- Lesson-20: Dispersion

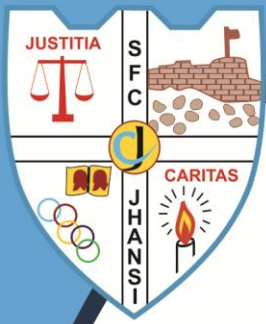
Term II

- Lesson-9: Sustainable Development
- Lesson-10: Planning
- Lesson-11: Structural changes
- Lesson-12: Poverty
- Lesson-13: Indian Agriculture
- Lesson-14: Human Capital formation
- Lesson-15: Employment and Unemployment
- Lesson-16: Comparison of Indian and Chinese Economy
- Lesson-18: Collection, Organization and Presentation of data
- Lesson-21: Correlation
- Lesson-22: Index Number
- Lesson-23: Some mathematical Tools

Accounts

Term I

- Journal
- Ledger
- Cashbook
- Subsidiary Books
- GST



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- Bank Reconciliation Statics
- Depreciation
- Trail Balance
- Accounting Equation
- Theory

Physical Education

Term I

Part 'A' (Section A)

- Chapter-1: Concept of Physical Education
- Chapter-2: Individual Aspects and Group Dynamics
- Chapter-3: Effects of Physical Exercise on Human Body Systems

Part 'B' (Section B)

- Chapter-1: Athletics
- Chapter-2: Badminton
- Chapter-3: Basketball
- Chapter-4: Cricket

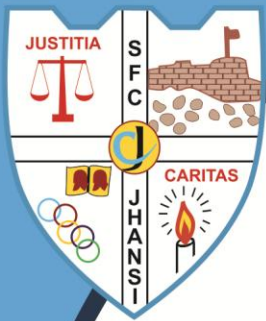
Term II

- *Including First Term Syllabus*

Part 'A' (Section A)

- Chapter-4: Nutrition, Weight Control and Exercise
- Chapter-5: Physical fitness and Wellness

Part 'B' (Section B)



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- Chapter-5: Football
- Chapter-6: Hockey
- Chapter-9: Volleyball

Term III

- All Chapters

Computer

Term I

- Data Representation
- Proportional Logic & Hardware
- General OOP's Concept
- Introducing Java
- Java Fundamentals
- Flow of Control
- Classes in Java
- Functions (Methods)

Term II

- Program Error Types and Basic exceptions
- Using Library Classes and Packages
- Arrays
- Operations on Files
- Trends in Computing and Ethical issues