

St. Francis' Convent Inter College

Jhansi

Class XI

English Literature

Term I

Drama

- Act – I

Poetry

- The Dolphins
- The Gift of India

Prose

- Salvatore
- Fritz

Term II

Drama

- Act – II

Poetry

- John Brown

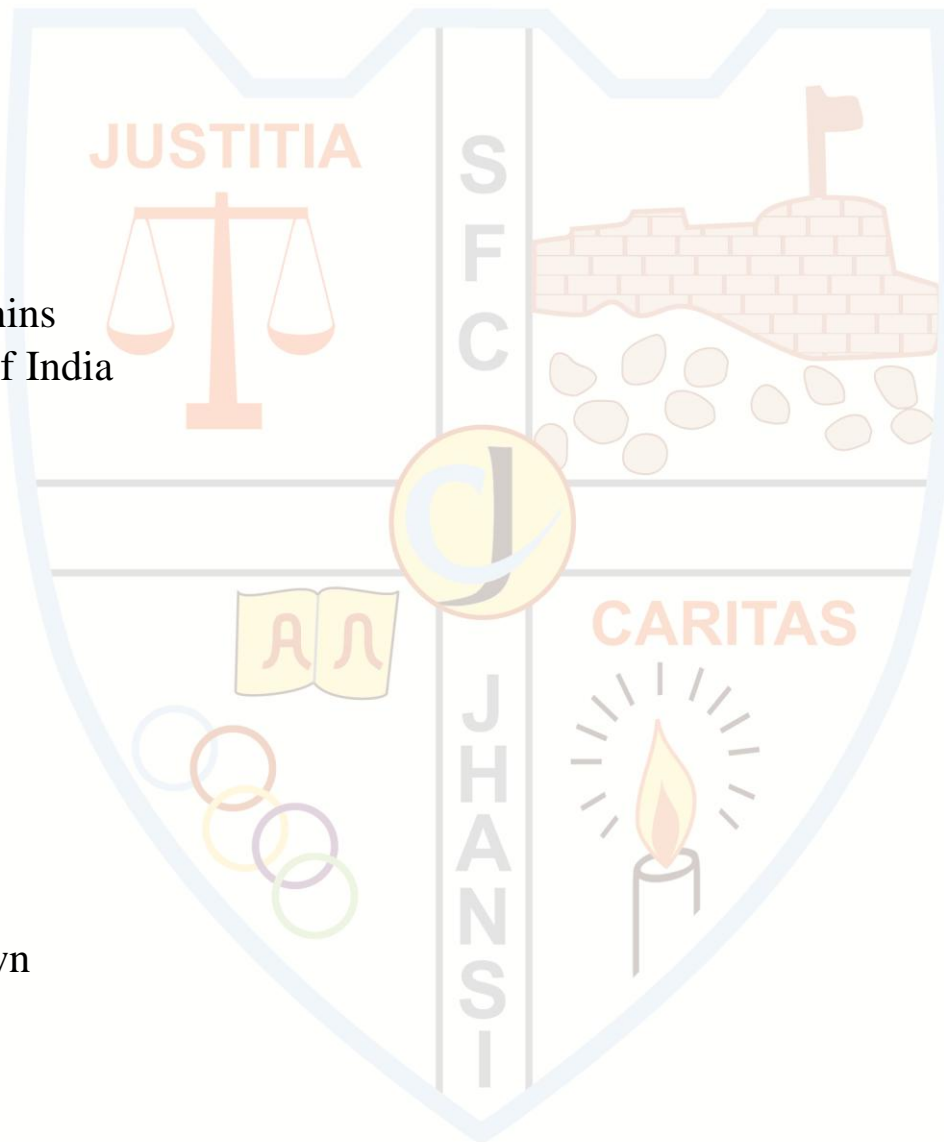
Prose

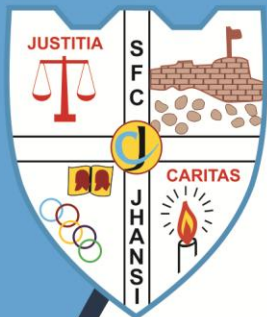
- Quality

Term III

Drama

- Act – III





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Poetry

- The Spider and the Fly

Prose

- The Chinese Statue

JUSTITIA 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
- Lesson-4: Chemical Bonding and Molecular Structure

Inorganic Chemistry

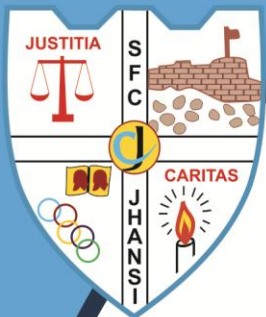
- Lesson-8: Redox reactions
- Lesson-9: Hydrogen

Organic Chemistry

- Lesson-12: Some Basic Principles of organic chemistry

Term II

- Lesson-5: States of Matter- Gases and Liquids
- Lesson-10: S-Block elements
- Lesson-11: P-Block elements
- Lesson-13: Hydrocarbons
- *Including I Term Syllabus*



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Term III

- Lesson-6: Chemical Thermodynamics
- Lesson-7: Chemical Equilibrium
- Lesson-14: Environmental Chemistry
- *Including I and II Term Syllabus*

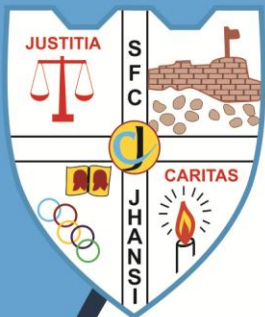
Physics

Term I

- Physical World
- Units and Measurement: Error Analysis
- Dimensional Analysis
- Motion in a Plane
- Newton's laws of Motion
- Friction
- Uniform Circular Motion
- Work, Power and Energy
- Centre of Mass
- Rotational Motion of a Rigid body

Term II

- Gravitation: Planets and Satellites
- Elasticity
- Flow of liquids
- Surface Tension
- Thermal Properties of Matter
- Heat Transfer



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- Thermodynamics
- Isothermal & Adiabatic Processes
- Heat Engine: Second law of Thermodynamics
- Behaviour of Perfect Gas & Kinetic Theory of Gases

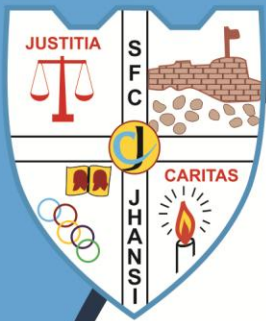
Term III

- Simple Harmonic Motion
- Free, Damped & Forced Oscillations
- Waves
- Waves motion
- Superposition of waves-1: Interference and Beats
- Superposition of waves-2: Stationary Waves: Vibration of Air Columns
- Vibration of stretched strings
- Doppler Effect
- Motion in a Straight Line
- *Including First & Second Term Syllabus*

Biology

Term I

- The Living World
- Biological classification
- Morphology of Flowering Plants
- Anatomy of Flowering Plants
- Cell- The Unit of Life
- Cell cycle and cell division
- Animal tissue, Morphology and Anatomy of Cockroaches
- Biomolecules



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Term II

- Transport in Plant
- Mineral nutrition in Plant
- Photosynthesis in higher Plant
- Respiration in plants
- Plant growth and development
- Digestion and Absorption
- Breathing and exchange of gases
- Locomotion and Movement

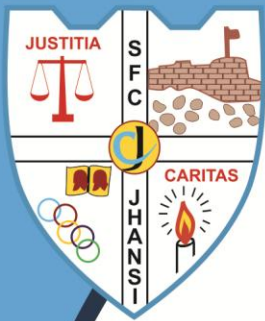
Term III

- Plant Kingdom
- Animal Kingdom'
- Body Fluid and Circulation
- Excretory Products and Elimination
- Neural Control and Coordination
- Chemical Coordination and Control

Mathematics

Term I

- Chapter-1: Sets
- Chapter-2: Relations and Functions
- Chapter-4: Trigonometrical Functions
- Chapter-5: Compound and Multiple angles
- Chapter-10: Quadratic Equations
- Chapter-11: Inequalities
- Chapter-14: Sequence and Series



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- Chapter-16: The Straight Line
- Chapter-18: Limits
- Chapter-20: Measures of Central Tendency

Term II

- Chapter-8: Mathematical Induction
- Chapter-9: Complex Numbers
- Chapter-12: Permutation and Combinations
- Chapter-13: Binomial Theorem
- Chapter-17: Circles
- Chapter-19: Differentiation
- Chapter-21: Measures of Dispersion
- Chapter-22: Probability

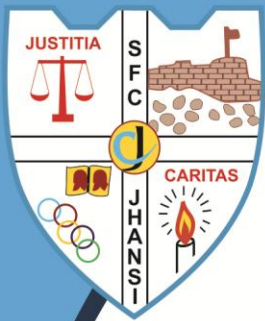
Term III

(Section B) [For Commerce Students]

- Chapter-28: Statistics (Continued from chapter-20)
- Chapter-29: Correlation Analysis
- Chapter-30: Index Numbers
- Chapters-31: Moving Average

(Section C) [For Science Students]

- Chapter-23: Parabola
- Chapter-24: Ellipse
- Chapter-25: Hyperbola
- Chapter-26: Points and their Coordinates in 3-dimensions
- Chapter-27: Mathematical Reasoning



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Commerce

Term I

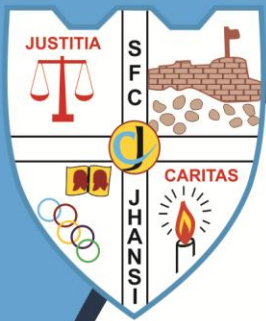
- Nature and Objectives of business
- Classification of Business Activities
- Introduction to Business Organization
- Sole Trade
- Partnership
- Joint Stock Company
- Formation of a Company

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

Term III

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



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Economics

Term I

- Definition of Economics
- Basic concepts of Economics
- Basic concepts of an Economy
- Types of Economy
- Solution to the Basic Problems under different Economic System
- Sustainable Development
- Structural Changes
- Poverty
- Definition, Scope, Importance and Limits of Statistics
- Measures of Central Value

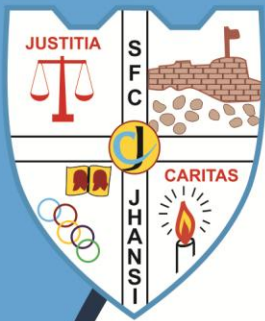
Term II

- Economic Growth and Development
- Planning
- Indian Agriculture
- Human Capital formation
- Unemployment
- Correlation
- Index Number

Accounts

Term I

- Journal
- Ledger
- Cashbook



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- Subsidiary Books
- Goods and Services Tax (GST)
- Bank Reconciliation Statements
- Trail Balance
- Accounting Equation

Term II

- Depreciation
- Bills of Exchange
- GAAP – Theory
- IFRS – Theory
- Base of Accounting – Theory
- Capital and Revenue
- Rectification of Errors
- Journal
- Goods and Services Tax (GST)
- Subsidiary Books
- Bank Reconciliation Statements

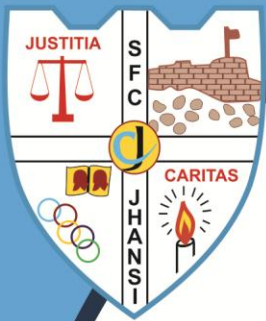
Physical Education

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)[Games]



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- Cricket
- Football
- Hockey

Term II

- *Including First Term Syllabus*

Part 'A' (Section A)

- Chapter-4: Nutrition, Weight Control and Exercise
- Chapter-5: Physical fitness and Wellness
- Chapter-6: Games and Sports-A Global Perspective

Part 'B' (Section B)[Games]

- Basketball
- Volleyball
- Badminton

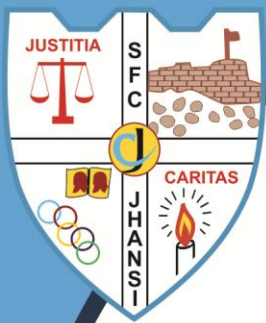
Computer

Term I

- Data Representation
- Proportional Logic & Hardware
- General OOP's Concept
- *Full Programming of Class 10 Syllabus*

Term II

- Data Representation
- Proportional Logic & Hardware
- Introduction of Java



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- Java Fundamentals
- Java Flow of Control
- Functions (Methods)
- Array

Term III

- *Full Programming of Class 10 Syllabus*
- Introduction of Java
- Java Fundamentals
- Java Flow of Control
- Program Error Types and Basic Exception Handling
- Array
- Files
- Trending in computing and Ethical Issues

