TS Board 12th Syllabus

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| Physics:* Waves
* Ray Optics and Optical Instruments
* Wave Optics
* Electric Charges and Fields
* Electrostatic Potential and Capacitance
* Current Electricity
* Moving Charges and Magnetism
* Magnetism and Matter
* Electromagnetic Induction
* Alternating Current
* Electromagnetic Wave
* Dual Nature of Radiation and Matter
* Atoms
* Nuclei
* Semiconductor Electronics: Materials, Devices, and Simple Circuits
* Communication System
 | Chemistry:* Solid State
* Solutions
* Electrochemistry and Chemical Kinetics
* Surface Chemistry
* General Principles and Metallurgy
* p-Block Elements
* d & f Block Elements and Coordination compounds
* Polymers
* Biomolecules
* Chemistry in Everyday Life
* Haloalkanes and Haloarenes
* Organic Compounds Containing C, H, and Organic compounds Containing Nitrogen
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| Mathematics:* Complex Numbers
* De Moivre’s Theorem
* Quadratic Expressions
* Theory of Equation
* Permutation and Combination
* Binomial Theorem
* Partial Fraction
* Measures and Dispersion
* Probability
 | Biology:**a). Botany*** Plant Physiology
* Microbiology
* Genetics
* Molecular Biology
* Biotechnology
* Plant, Microbes, and Human welfare

**b). Zoology*** Digestion and Absorption
* Breathing and Respiration
* Body Fluids and Circulation
* Excretory Products and their elimination
* Muscular and Skeletal System
* Neural control and coordination
* Endocrine System and Chemical coordination
* Immune System
* Human reproductive system
* Reproductive Health
* Genetics
* Organic Evolution
* Applied Biology
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| Commerce:* Financial Market & Stock Exchange
* Business Services, Banking, and other services
* Entrepreneurship & Entrepreneurship Development
* Internal and International Trade
* Principles and Functions of Management
 | Accountancy:* Depreciation and Accounting from Incomplete Records
* Consignment Accounts
* Accounting for not for profit Organization
* Partnership Accounts
* Computerized Accounting System
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| Political Science:* Indian Constitution - Historical context
* Fundamental Rights and Directive Principles
* Union Government
* State Government
* Local Government
* Special Statutory Commission for Protection of Citizen Rights
* Social-Political movements and environmental struggles in Telangana
* The emergence of Telangana State
* Telangana movement: Role of Political Parties and JACs
* Contemporary issues in Indian Politics
* SMART Governance
* India and the World
 | Economics:* Economic Growth and Economic Development
* Population and Human Resource Development
* National Income, Poverty & Unemployment
* Planning & Environment
* Agricultural Sector
* Industrial Sector
* Tertiary Sector
* New Economics Reforms and Foreign Sector
* Economic Features of Telangana
* Sectoral & Infrastructure Contribution to Telangana Economy
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