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 |
| 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 |
| 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 |
| 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 |