

Andhra Pradesh Tribal Welfare Residential Educational Instructions Society (APTWRIES) Gurukulam

General Awareness

- Indian History
- Indian Culture & Heritage
- Indian Polity
- Indian Constitution
- Science & Technology
- Indian Geography
- Current Events – National & International
- IT & Space etc
- Indian Economy

General Knowledge

- Current events of India, AP
- Books and Authors
- Books
- Science – Inventions & Discoveries
- Important Days
- Important Financial & Economic News
- Indian Constitution
- General Politics of India/AP
- Current Affairs – National & International
- Awards and Honors
- Abbreviations

Current Affairs

- Banking
- Analogy
- Sports
- Current Events
- Coding-Decoding
- Economy
- Awards
- Blood Relations

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- Mirror Images
- International Affairs
- Logical Ability
- Embedded Figures
- Non-Verbal Series
- Directions
- Clocks & Calendars
- Arithmetical Reasoning

General Science

- Current electricity
- Chemical Kinetics
- Systems of particles and rotational motion
- Chemical bonding and molecular structure
- Electronics
- General principles of metallurgy
- Moving charges and magnetism
- Atomic structure
- Quantum Chemistry
- Motion in a plane
- Electrochemistry
- Photochemistry
- Electromagnetic induction
- Atomic and Molecular Physics
- Thermal properties of matter
- Mechanical properties of solids
- Organic Synthesis
- Electromagnetic Theory
- Environmental chemistry
- Chemical equilibrium and acids-bases
- Ray optics and optical instruments
- Communication systems

Mathematics

- Relations and Functions

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- Logarithms
- Complex Numbers
- Quadratic Equations
- Sequences and Series
- Trigonometry
- Straight Lines
- Circles
- Conic Sections
- Permutations and Combinations
- Vectors
- Exponential and Logarithmic Series
- Sets and Set Theory
- Statistics
- Cartesian System of Rectangular Coordinates
- Differentiation
- Introduction to Three Dimensional Geometry
- Probability Function

Numerical Ability/ Reasoning

- Mirror Images
- Grouping Identical Figures
- Figure Matrix Questions
- The problem on Age Calculation
- Decision Making
- Inference
- NonVerbal Series
- Test of Direction Sense
- Number Series
- Alphabet Series
- Arguments
- Ven Diagram
- Blood Relations
- Coding and Decoding
- Number Ranking
- Analogy

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- Arithmetical Reasoning

Arithmetic

- Probability
- Time and Distance
- Quadratic Equations
- Odd Man Out
- Races and Games
- Numbers and Ages
- Averages
- Mensuration
- Pipes and Cisterns
- Indices and Surds
- Simple Equations
- Permutations and Combinations
- Compound Interest
- Boats and Streams
- Simplification and Approximation
- Mixtures and Allegations
- Simple Interest
- Profit and Loss
- Problems on Numbers
- Problems on LCM and HCF
- Time and Work Partnership
- Problems on Trains
- Ratio and Proportion
- Areas
- Volumes
- Percentages

Computer Knowledge

- Website Surfing
- MS Office
- Uses of Computer
- Computer Tools

Andhra Pradesh Tribal Welfare Residential Educational Instructions Society (APTWRIES) Gurukulam

- Basics of computer
- Typing
- History of Computer
- Internet Usage