

Andhra Pradesh Transport Corporation Limited



APTRANSCO AE Syllabus - Core Academics

General Knowledge

- Geography of India
- Economic issues in India
- National news (current)
- International issues
- Tribes
- Indian Culture
- New inventions
- Political Science
- Scientific observations
- About India and it's neighboring countries
- National current affairs
- World organizations
- Famous Places in India
- Books And Author
- Handicrafts
- Countries and capitals
- Science and innovations
- Important Dates
- Music & Literature
- National Dance
- International current affairs
- Famous Places
- Artists
- Tourism spots of Historical Importance
- Sculptures
- Musical Instruments etc

Information Technology

- Computer Networks
- Databases
- Operating System
- Programming and Data Structures
- Web Technologies
- Compiler Design

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- Digital Logic
- Theory of Computation
- Algorithms
- Computer Organization and Architecture
- Information Systems and Software Engineering etc.

Electrical Engineering

- Electric Circuits
- Electrical Machines
- Power Systems
- Utilization & Control Systems
- Analog and Digital Electronics
- Power Electronics and Drives
- Synchronous Machines
- Estimation and Costing
- Generation
- Circuit law
- Measurement and Measuring Instruments
- Electrical Machines
- Magnetic Circuit
- AC Fundamentals
- Fractional Kilowatt Motors
- Basic concepts
- Single phase induction Motors
- Transmission and Distribution
- Utilization and Electrical Energy

Civil Engineering

- Engineering Mechanics
- The Strength of Materials
- Elements of Structural Analysis
- Elements of Geotechnical Engineering
- Fluid Mechanics & Machinery
- Reinforced Concrete Structures
- The design of Structure
- Civil Engineering Materials
- Bridge Engineering
- Hydrology

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- Bridge Superstructure
- Soil Mechanics
- Surveying
- Transportation Engineering
- Steel Structures
- Bridge Architecture etc

Electronics Engineering

- Control Systems
- Basics of Circuits and Measurement Systems
- Electrical and Electronic Measurements
- Analytical
- Optical Instrumentation
- Process Control
- Signals & Systems, and Communications

Logical Reasoning

Verbal Reasoning

- Analogy
- Series Completion
- Verification of truth of the Statement
- Situation Reaction Test
- Direction Sense Test
- Classification
- Data Sufficiency
- Alpha- Numeric Sequence Puzzle
- Puzzle Test
- Blood Relations
- Coding- Decoding
- Assertion and Reasoning
- Arithmetical Reasoning
- Venn Diagrams
- Word Sequence
- Missing Characters
- Sequential Output training
- Directions
- Operations of Mathematics

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- Test on Alphabets
- Eligibility Test

Non-Verbal Reasoning

- Dot Situation
- Identical figure groupings
- Forming figures and analysis
- Construction of squares and Triangles
- Series
- Water Images
- Analytical Reasoning
- Paper Folding
- Paper Cutting
- Cubes and Dice
- Analogy
- Mirror Images
- Figure Matrix
- Completion Incomplete Pattern
- Spotting embedded figures
- Classification
- Rules Detection

AP TRANSCO Analytical Aptitude Syllabus

- Probability
- Time and Distance
- Quadratic Equations
- Odd Man Out
- Mensuration
- Boats and Streams
- Simplification and Approximation
- Mixtures and Allegations
- Simple Interest
- Problems on L.C.M and H.C.F
- Problems on Numbers
- Races and Games
- Numbers and Ages
- Averages

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- Pipes and Cisterns
- Indices and Surds
- Simple Equations
- Permutations and Combinations
- Compound Interest
- Time and Work Partnership
- Profit and Loss
- Problems on Trains
- Ratio and Proportion
- Areas
- Volumes
- Percentages