

KPTCL Syllabus

KPTCL Assistant Accounts Officer syllabus

- Basic Accounting
- Monetary System
- Risk Management
- Securities Analysts and Portfolio Management
- Commodities Markets
- Life Insurance
- Micro Finance
- International Business
- Business Ethics and Corporate Governance
- Strategic Cost Management
- Accounting Standard
- Direct Taxes
- Indirect Taxes
- Operations Research and Quantitative Techniques
- International Business
- Macroeconomics
- Information Systems and Computers
- Financial Management
- Banking Scenario in India
- Financial Markets
- General Insurance
- Management of Insurance Companies
- Marketing of Bank Products
- E – Commerce

KPTCL Assistant Engineer – Civil syllabus

- Engineering Mathematics
- Transportation Engineering
- Computer Aided Design
- Engineering Physics
- Geotechnical Engineering
- Hydrology and Irrigation Engineering
- Environmental Engineering
- Design and Drawing of RC structures
- Hydraulic Structures and Irrigation Design – Drawing
- Alternative Building Materials and Technologies
- Ground Improvement Techniques
- Chemistry
- Building Materials and Construction Technology
- Structural Analysis

- Hydraulics and Hydraulic Machines
- Building Planning and Drawing
- Design of RCC Structural Elements
- Air Pollution and Control
- Structural Dynamics
- Design and Drawing of Bridges
- Earthquake Resistant Design of Structures
- Industrial Waste Water Treatment
- Ground Water Hydrology
- Rural Water Supply and Sanitation
- Traffic Engineering
- Design and Drawing of Steel Structures
- Design of Pre – Stressed Concrete Structures
- Highway Geometric design
- Open Channel Hydraulics
- Solid Waste Management
- Rock Mechanics
- Pavement Materials and Construction
- Construction Management & Engineering Economics
- Urban Transport Planning
- Geographic Information System
- Water Resources Engineering
- Environmental Impact Assessment
- Reinforced Earth Structures

KPTCL AE – Computer Science and Information Systems

- Mathematics
- Statistical Methods
- Software Engineering
- Physics and Chemistry
- Introduction to Computer Programming
- Basic Electronics
- Computer Organization
- Logic Design
- Electronic Circuits
- Operating Systems
- Database Management Systems
- Electronic Circuits
- Data Structures
- Computer Programming and Programming Languages
- Graph Theory and Combinatory
- Microprocessors
- Algorithms
- Computer Networks
- Compiler Design
- Signals and Systems

- Computer Graphics
- Object Oriented Modeling and Design
- Embedded Computing Systems
- Computer Architecture
- Web-programming
- VLSI Design
- Network Management Systems
- Information and Network Security
- Software testing
- Cloud, Grids, and Clusters
- Digital Signal Processing
- Multimedia Computing
- Data Warehousing and Data Mining
- Neural Network
- Artificial Intelligence
- Storage Area Networks
- Fuzzy Logic
- Wireless Networks and Mobile Computing

KPTCL Syllabus -AE – Electrical and Electronics

- Mathematics related to Engg.
- Engineering Physics and Chemistry
- Introduction to Computer Programming
- Basic Electronics
- Electronic Circuits
- Electric Power Generation
- Electrical and Electronic Measurements and Instrumentation
- Network-Analysis
- Logic Design
- Microcontrollers
- Control Systems
- Field Theory
- Power Electronics
- Transformers and Induction Machines
- Signals and Systems
- Transmission and Distribution
- DC Machines and Synchronous Machines
- Linear IC's and Applications
- Industrial Drives and Applications
- Electrical Design, Estimation and Costing
- Power System Operation and Control
- Reactive Power Management
- Artificial Neural Networks
- Digital System Design with VHDL
- Power System Planning
- Computer Control of Electrical Drives

- VLSI Circuits and Design
- Electromagnetic Compatibility
- Data Base Management Systems
- Renewable Energy Sources
- Energy Auditing & Demand Side Management
- Electrical Power Quality
- Electrical Distribution Systems
- HYDC Transmission
- Control Theory
- Power System Analysis and Stability
- Switchgear and Protection
- Electrical Machine Design
- Digital Signal Processing
- Computer Aided Electrical Drawing
- Computer Techniques- in-Power-System-Analysis
- Electrical Power Utilization
- High Voltage Engineering

KPTCL AE – Electronics and Telecommunications

- Engineering Mathematics, Physics, and Chemistry
- Digital System Design with VHDL
- Power System Planning
- Microcontrollers
- Control Systems
- Field Theory
- Introduction to Computer Programming
- Basic Electronics
- Electronic Circuits
- Electrical and Electronic Measurements and Instrumentation
- Network Analysis
- Logic Design
- Power Electronics
- Transformers and Induction Machines
- Signals and Systems
- Artificial Neural Networks
- Computer Control of Electrical Drives
- VLSI Circuits and Design
- Electromagnetic Compatibility
- Transmission and Distribution
- Linear IC's and Applications
- Control Theory
- Power System Analysis and Stability
- Switchgear and Protection
- Electrical Machine Design
- Digital Signal Processing
- Computer Techniques in Power System Analysis

- Electrical Power Utilization
- Electrical Design, Estimation and Costing
- Power System Operation and Control
- Reactive Power Management
- Data Base Management Systems
- Renewable Energy Sources
- Wireless Networks and Mobile Computing
- Network Management Systems
- Information and Network Security

KPTCL Syllabus – JE – Electrical

- Mathematics
- Logic Design
- Microcontrollers
- Physics
- Signals and Systems
- Introduction to Computer Programming
- Basic Electronics
- Electronic Circuits
- Electric Power Generation
- Electrical and Electronic Measurements and Instrumentation
- Network Analysis
- Control Systems
- Field Theory
- Power Electronics
- Transformers and Induction Machines
- Transmission and Distribution
- DC Machines and Synchronous Machines
- Linear IC's and Applications
- Control Theory
- Power System Analysis and Stability
- Electrical Machine Design
- Digital Signal Processing
- Renewable Energy Sources
- Energy Auditing & Demand Side Management
- Electrical Power Quality
- Electrical Distribution Systems
- HYDC Transmission
- Artificial Neural Networks
- Digital System Design with VHDL
- Power System Planning
- Chemistry
- Computer Aided Electrical Drawing
- Computer Techniques in Power System Analysis
- Electrical Power Utilization
- High Voltage Engineering

- Industrial Drives and Applications
- Electrical Design, Estimation and Costing
- Power System Operation and Control
- Reactive Power Management
- Data Base Management Systems
- Computer Control of Electrical Drives
- VLSI Circuits and Design
- Electromagnetic Compatibility
- KPTCL Syllabus for all posts (common)
- KPTCL AOO Syllabus – Computer Literacy
- Basic Computers Skills
- Outlook Express or email handlings
- MS Access or Data Base Basic Concepts
- Emails
- MS Office Word (Operations in letter typing etc.)
- Excel (Report Formatting Futures etc.). Power Point Presentations
- Operating system
- Application packages etc.

KPTCL Syllabus for all posts (common)

KPTCL AOO Syllabus

- Computer Literacy
- Basic Computers Skills
- Outlook Express or email handlings
- MS Access or Data Base Basic Concepts
- Emails
- MS Office Word (Operations in letter typing etc.)
- Excel (Report Formatting Futures etc.)
- Power Point Presentations
- Operating system
- Application packages etc.

KPTCL JE Syllabus – Basic Maths (Quantitative Aptitude)

- Number System
- Decimals
- HCF& LCM
- Ratio & Proportion
- Percentage
- Partnership
- Average
- Profit & Loss
- Simple Interest & Compound Interest
- Fractions
- Simplifications

- Time & Work
- Time & Distance
- Data Interpretation (Graphs and Tables)
- Logical thinking
- Basic Algebra
- Trigonometry
- Square Root & Cube Root

KPTCL AE Syllabus – General Knowledge and Current Affairs

- Administrative Structure
- Games and Sports
- Geography
- Natural Resources
- Energy Resources
- Human Resources
- Planning and Evaluation
- Rural and Urban Administrative Structure
- Industries
- Environment
- Culture, Literature, Music, Dance, Arts and History

KPTCL AEE Syllabus – General English

- English grammar
- Spelling
- Synonyms
- Antonyms
- Vocabulary