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