

## KPTCL EXAM PATTERN PDF

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<b><u>Sr. No</u></b>	<b><u>Post Name</u></b>	<b><u>Subject Name</u></b>	<b><u>Marks</u></b>	<b><u>Total Marks</u></b>
1	Asst Executive Engineer (AEE)/Asst Engineer (AE)	Related Engineering Subject	75	100
		General Awareness & Aptitude	25	
2	Assistant Engineer (AE)	Civil	75	100
		General Awareness & Aptitude	25	
4	Junior Engineer (JE)	Diploma Electrical & Electronics/ Diploma Civil	75	100
		General Awareness & Aptitude	25	
5	Junior Power Man	General English/General Kannada	50	100
		General Awareness & Aptitude	50	
6	Junior Assistant	Computer Literacy	20	100
		General Awareness & Aptitude	40	
		General English/General Kannada	40	

# KPTCL Syllabus 2019- Topic-Wise

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## **General Knowledge and Current Affairs**

- Rural and Urban Administrative Structure
- Industries
- Administrative Structure
- Games and Sports
- Geography
- Natural Resources
- Energy Resources

## **General English**

- Power to understand and comprehend English language and ability to discriminate between correct and incorrect usage
- Paragraph construction
- English grammar
- Antonyms

## **Assistant Accounts Officer KPTCL Syllabus**

- International Business
- Business Ethics and Corporate Governance
- Strategic Cost Management
- Accounting Standard
- Micro Finance
- Direct Taxes
- Indirect Taxes
- General Insurance
- Financial Management
- Management of Insurance Companies
- Marketing of Bank Products
- E-Commerce
- Operations Research and Quantitative Techniques

## **Electronics and Telecommunications**

- Basic Electronics

- Electronic Circuits
- Electrical and Electronic Measurements and Instrumentation
- Network Analysis
- Logic Design
- Power Electronics
- Engineering Mathematics, Physics, and Chemistry
- Electrical Power Utilization
- Information and Network Security
- Field Theory
- Introduction to Computer Programming
- Transformers and Induction Machines
- Signals and Systems
- Artificial Neural Networks
- Microcontrollers
- Control Systems
- Computer Control of Electrical Drives
- VLSI Circuits and Design
- Electromagnetic Compatibility
- Electrical Design, Estimation and Costing
- Power System Operation and Control
- Control Theory
- Power System Analysis and Stability
- Electrical Machine Design

## **JE – Electrical**

- Mathematics
- Logic Design
- Microcontrollers
- Physics
- Signals and Systems
- Introduction to Computer Programming
- Basic Electronics
- Electronic Circuits
- Transformers and Induction Machines
- Computer Techniques in Power System Analysis
- 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
- Chemistry
- Computer Aided Electrical Drawing
- Industrial Drives and Applications
- Electrical Design, Estimation and Costing
- Power System Operation and Control

### **Assistant Engineer – Civil**

- Design and Drawing of RC structures
- Hydraulic Structures and Irrigation Design – Drawing
- Alternative Building Materials and Technologies
- Building Planning and Drawing
- Design of RCC Structural Elements
- Air Pollution and Control
- Structural Dynamics
- Computer-Aided Design
- Engineering Physics
- Geotechnical Engineering
- Hydrology and Irrigation Engineering
- Environmental Engineering
- Design and Drawing of Steel Structures
- Design of Pre – Stressed Concrete Structures
- Water Resources Engineering
- Pavement Materials and Construction
- Construction Management & Engineering Economics
- Urban Transport Planning
- Geographic Information System
- Earthquake Resistant Design of Structures

### **Computer Science and Information Systems**

- VLSI Design
- Network Management Systems
- Information and Network Security
- Software testing
- Cloud, Grids, and Clusters
- Embedded Computing Systems

- Data Warehousing and Data Mining
- Neural Network
- Artificial Intelligence
- Wireless Networks and Mobile Computing
- Digital Signal Processing
- Multimedia Computing
- Data Structures
- Mathematics
- Statistical Methods
- Software Engineering
- Physics and Chemistry
- Introduction to Computer Programming
- Basic Electronics
- Computer Organization
- Computer Graphics
- Object-Oriented Modeling and Design

### **Electrical and Electronics**

- Electrical and Electronic Measurements and Instrumentation
- Network-Analysis
- Logic Design
- Artificial Neural Networks
- Digital System Design with VHDL
- Power System Planning
- Mathematics related to Engg.
- Engineering Physics and Chemistry
- Introduction to Computer Programming
- Basic Electronics
- Electronic Circuits
- Electric Power Generation
- Digital Signal Processing
- Computer Aided Electrical Drawing
- Computer Techniques- in-Power-System-Analysis
- Electrical Power Utilization
- High Voltage Engineering
- Signals and Systems
- Transmission and Distribution
- DC Machines and Synchronous Machines
- Linear IC's and Applications

- Industrial Drives and Applications
- Computer Control of Electrical Drives
- Control Theory
- Power System Analysis and Stability
- Switchgear and Protection

### **Computer Literacy**

- MS Office Word (Operations in letter typing etc.)
- Outlook Express or email handlings
- MS Access or Data Base Basic Concepts
- Emails
- Application packages
- Basic Computers Skills

### **Basic Maths (Quantitative Aptitude)**

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