

## KPTCL Exam Pattern Pdf

<b>Sr. No</b>	<b>Post Name</b>	<b>Subject Name</b>	<b>Marks</b>	<b>Total Marks</b>
<b>1</b>	<b>Asst Executive Engineer (AEE)/Asst Engineer (AE)</b>	<b>Electrical &amp; Electronics</b>	<b>75</b>	<b>100</b>
		<b>General Awareness &amp; Aptitude</b>	<b>25</b>	
<b>2</b>	<b>Assistant Engineer (AE)</b>	<b>Civil</b>	<b>75</b>	<b>100</b>
		<b>General Awareness &amp; Aptitude</b>	<b>25</b>	
<b>3</b>	<b>Assistant Accounts Officer (AAO)</b>	<b>Finance</b>	<b>75</b>	<b>100</b>
		<b>General Awareness &amp; Aptitude</b>	<b>25</b>	
<b>4</b>	<b>Junior Engineer (JE)</b>	<b>Diploma Electrical &amp; Electronics</b>	<b>75</b>	<b>100</b>
		<b>General Awareness &amp; Aptitude</b>	<b>25</b>	
<b>5</b>	<b>Junior Engineer (JE)</b>	<b>Diploma Civil</b>	<b>75</b>	<b>100</b>
		<b>General Awareness &amp; Aptitude</b>	<b>25</b>	
<b>6</b>	<b>Assistant &amp; Junior Assistant</b>	<b>Computer Literacy</b>	<b>20</b>	<b>100</b>
		<b>General Awareness &amp; Aptitude</b>	<b>40</b>	
		<b>General English/General Kannada</b>	<b>40</b>	

## KPTCL Syllabus Pdf

**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**

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