

# Uttar Pradesh Power Corporation Limited

## Uttar Pradesh PCL Technician Syllabus - General Knowledge

- Indian National Movement
- Sports
- Current Affairs – National and International
- Abbreviations
- General Policy
- Science and Technology
- Science – Inventions & Discoveries
- Capitals of India
- Indian Economy
- Important Days
- Indian History
- Books and Authors
- Awards and Honors
- Budget and Five Year Plans
- Countries and Capitals
- International and National Organizations

## General Hindi - Uttar Pradesh Power Corporation Limited Technician Syllabus

- अलंकार, रस
- पर्यायवाची
- अनेकार्थी शब्द
- वाक्यसंशोधन- लिंग, वचन, कारक, काल, वर्तनी, त्रुटि से संबंधित

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- संधियां
- तत्सम एवं तद्भव
- लोकोक्तियां एवं मुहावरे
- वाक्यांशों के लिये एक शब्द निर्माण
- विलोम,समास

### UPPCL Technician Syllabus - General English

- Antonyms
- Synonyms
- Idioms & Phrases
- Vocabulary
- Tenses
- Transformation of Sentences
- Active & Passive Voice
- Direct & Indirect Speech etc
- Fill in the Blanks
- One Word Substitution
- Comprehension

### upenergy.in Technician Syllabus - Technical Subjects

#### Electronics

- Properties of insulators, conductors, and semiconductors.
- Law of Resistance. Series and parallel circuits.

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- Identification of Trade-Hand tools-Specifications.
- Fundamental of electricity. Electron theory-free electron. Fundamental terms, definitions, units & effects of electric current.
- Various safety measures involved in the Industry. Elementary First Aid. The concept of Standard.
- Soldering, flux and soldering technique. Resistors types of resistors & properties of resistors.
- Definition, Explanation, and
- Voltage grading of different types of Insulators,
- Ohm's Law

### Electrical

- Non-conventional Energy sources like Wind, Solar, Biomass
- Measurement of Electrical Power
- Present Power Sector scenario in India and others Electrical
- Power Engineering
- Low Voltage constraint & resolving thereof
- Analysis of Dist Transformers, Meters & Testing
- Engineering topics
- Switchgear & protection (MC/LV) & LT Switchgear design and testing
- Distribution HT/LT Line parameters
- Performance of line fault analysis
- Distribution Network Installation & load studies

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- Functions of capacitors & reactors

### Mechanical

- Engineering Mechanics
- Engineering Materials
- Power Plant Engineering
- Renewable Sources of Energy
- Design of Machine Elements
- Manufacturing
- Industrial and Maintenance Engineering
- Mechatronics and Robotics
- Mechanisms and Machines
- Fluid Mechanics
- IC Engines, Refrigeration and Air conditioning
- Turbo Machinery
- Thermodynamics and Heat transfer