

**SYLLABUS OF VIDYUT SAHAYAK (JUNIOR ENGINEER-ELECTRICAL)**

<b>SECTION - I</b>	<b>GENERAL KNOWLEDGE</b>	10%
<b>SECTION - II</b>	<b>ENGLISH LANGUAGE</b>	10%
<b>SECTION - III</b>	<b>ELECTRICAL ENGINEERING*</b>	60%
<b>SECTION - IV</b>	<b>COMPUTER KNOWLEDGE</b>	10%
<b>SECTION - V</b>	<b>GUJARATI LANGUAGE &amp; GRAMMAR</b>	10%

\* **Note: Section-III Includes topic like:**

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

**“THE QUESTION PAPER WILL BE IN ENGLISH LANGUAGE ONLY”**

**Note: - Subtopics of Section-I, Section-II and Section-V are as under:**

General Knowledge	English Language	ગુજરાતી ભાષા અને વ્યાકરણ
Current Affairs of National and International importance.	Usage and Vocabulary	રૂઢી પ્રયોગો / કહેવતો ના અર્થ અને વાક્ય પ્રયોગ.
Indian polity and Governance.	Synonyms and Antonyms	શબ્દ સમૂહ માટે એક શબ્દ.
Geography of India	Word Substitutes in a sentence.	જોડણી શુદ્ધિ.
Modern Indian history	Idiom (Fill in the blanks)	સમાનાર્થી / વિરુદ્ધાર્થી શબ્દ.
General Science and Technology	Error spotting / Right usage of words in a sentence.	લેખન શુદ્ધિ / ભાષા શુદ્ધિ.
Economics.		

**Note: The Gujarati Language and Grammar shall be kept of the level of 12<sup>th</sup> Standard whereas the English Language and Grammar shall be kept of the level of 10<sup>th</sup> Standard.**