

## CCL Exam Pattern 2020

S.No.	Type of Examination	Subject Names
1.	Written Examination(Objective Type)	General Knowledge
2.		Quantitative Aptitude
3.		Logical Reasoning
4.		English Language
5.		Professional Knowledge

### CCL Mining Sirdar & Electrician Subject Wise Syllabus

#### General English

- Sentence Improvement.
- Active Voice and Passive Voice.
- Fill in the blanks.
- Sentence Arrangement.
- Error Correction (Underlined Part).
- Idioms and Phrases.
- Sentence Completion.
- Substitution.
- Prepositions.
- Synonyms.
- Spotting Errors.
- Passage Completion.
- Error Correction (Phrase in Bold).
- Para Completion.
- Antonyms.
- Joining Sentences.

#### General Knowledge

- Geography.
- Inventions and Discoveries.
- Literature.
- Rivers, Lakes and, Seas.
- Civics.
- Famous Days & Dates.
- Indian History.
- Heritage.
- Famous Places in India.
- Sports.
- Indian Parliament.
- Tourism.
- Indian Economy.

- Artists.
- Environmental Issues.
- Countries and Capitals.
- Biology.
- Indian Politics.
- General Science.
- Famous Books & Authors.
- Current Affairs.

### Quantitative Aptitude

- Simple Interest.
- Ratio and Proportion.
- Height and Distance.
- Volume and Surface Area.
- Races and Games.
- Allegation or Mixture.
- Banker's Discount.
- Time and Distance.
- Decimal Fraction.
- Probability.
- Chain Rule.
- Logarithm.
- Average.
- Problems on H.C.F and L.C.M.
- Area.
- Partnership.
- Surds and Indices.
- Simplification.
- Numbers.
- Square Root and Cube Root.
- Boats and Streams.
- Stocks and Share.
- Pipes and Cistern.
- Permutation and Combination.
- Compound Interest.
- Time and Work.
- Problems on Ages.

### Logical Reasoning

- Number Ranking.
- Arithmetical Reasoning.
- Coding-Decoding.
- Embedded Figures.
- Clocks & Calendars.

- Mirror Images.
- Decision Making.
- Blood Relations.
- Statements & Arguments.
- Analogy.
- Data Interpretation.
- Directions.
- Syllogism.
- Non-Verbal Series.
- Number Series.
- Cubes and Dice.
- Alphabet Series.
- Statements & Conclusions.

### Professional Knowledge

- Use of Blasting Cards.
- Safety Provisions and Precautions in Underground transportation.
- Mining Methods.
- Handing over and Taking over Charge.
- Coal Mines Regulations, 1957 related to Mining Sirdar & Shot-firers.
- Mine Ventilation.
- Dealing with the Occurrence of Fire, Gas, Air-Blast or Inundation in Mines.
- Detection & Removal of inflammable and toxic gases in Mines.
- Explosives and Accessories and their use in Mines.
- Mine Gases.
- Use of Equipment like Methanometer, Anemometer, Multi-Gas Detector, etc.