

Section-A:

Quantitative ability/aptitude,

Profit & Loss, Inequalities, Probability, Simple & Compound Interest, HCM & LCM, Mensuration, Number System, Average, Speed, time & distance, Percentage, Ratio and Proportion, Time & Work, Pipes & Cisterns, Trigonometry, Geometry, Data Interpretation.

General intelligence & Reasoning ability

Classification, Arithmetical Reasoning, Series, Visual reasoning, Mathematical operation, Clock & Calendar. Seating Arrangement, Input-Output, Alphanumeric Series, Time sequence, number and ranking test, Analogy, Statement and Reasoning, Coding and Decoding, Venn diagrams, Number puzzle, Blood relation, Syllogism, Coding-Decoding, Inequality, Verbal Reasoning, Direction Sense.

General awareness

History, Botany, Physics, Zoology, Awards and Honors. Abbreviations Latest appointments, Book & Authors, Indian Constitution, General Politics, Science & Technology. Current Affairs, Static GK, Budget and Five-year plans, Current affairs of National & International news, Banking, Important dates, Sports & Culture, Sports & Culture.

English language (basic knowledge)

Phrase Replacement, Error spotting, Personification, Fill in the blanks, One-word substitution, Sentence Improvement, Grammar, Comprehension, Vocabulary, Adverb, Unseen passages, Error Correction, Articles, Fill in the Blanks, Sentence Rearrangement, Reading Comprehension, Jumbled Sentence, Cloze test, Direct and Incorrect Speech. Synonyms, Antonyms, Verb, Tenses, Subject-Verb Agreement, Idioms & Phrases etc.

Section-B:

DRDO CEPTAM Technician Syllabus for Electrician Trade –

- Various safety measures involved in the Industry.
- Fundamental of electricity./ Basic Electricity
- Electrical Circuits / AC Circuits
- Wires, Joints - Soldering - U.G. Cables.
- Ohm's Law and Kirchhoff's law
- Concepts of circuit's / types of circuits
- Chemical effects of electric current
- Rechargeable dry cells
- Lead acid cells /Cells and Batteries
- Magnetism
- Resistance
- Working principal and circuits of common domestic equipments and appliances
- Power Generation and Substation
- D.C. Machines
- Armature
- D.C. Motors
- Alternator and Synchronous Motors
- Induction Motors
- Insulating materials
- Elementary first Aid.
- Transformers
- Electrical Measuring Instruments
- Illumination
- Electronic Practice
- Circuit Breakers and Relays