

# Chennai Petroleum Corporation Limited



## CPCL Non Executive Exam Pattern

Subject	No.of Question	Marks
General Aptitude	10 questions	10 Marks
Verbal Ability	10 questions	10 Marks
Reasoning	10 questions	10 Marks
Numerical Ability	10 questions	10 Marks
General Knowledge	10 questions	10 Marks
Concerned Technical Related Subjects	70 questions	70 Marks
<b>Total</b>	<b>120 questions</b>	<b>120 Marks</b>

## CPCL Non Executive Syllabus

### General Aptitude/ Numerical Ability

- Time and Work Partnership
- Ratio and Proportion
- Boats and Streams
- Simple Interest
- Time and Distance
- Problems on Trains
- Areas
- Races and Games
- Numbers and Ages
- Mixtures and Allegations
- Mensuration
- Permutations and Combinations

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- Problems with L.C.M and H.C.F
- Pipes and Cisterns
- Percentages
- Simple Equations
- Problems on Numbers
- Averages
- Indices and Surds
- Compound Interest
- Volumes
- Odd Man Out
- Quadratic Equations
- Probability
- Profit and Loss
- Simplification and Approximation

## **Verbal Ability**

- Spellings/ Detecting Mis-spelt words
- Antonyms and their correct usage
- Common Error
- Active/ Passive Voice of Verbs
- Comprehension Passage
- Spot the Error
- Cloze Passage
- Fill in the Blanks
- Shuffling of Sentence parts
- Conversions
- Sentence Rearrangement
- Grammar
- Shuffling of Sentences in a passage
- Improvement of Sentences
- Synonyms/ Homonyms
- Antonyms
- Vocabulary
- Idioms & Phrases
- One word substitution

## **Reasoning**

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- Mirror Images
- Grouping Identical Figures
- Figure Matrix Questions
- Problem with Age Calculation
- Decision Making
- Inference
- Analogy
- NonVerbal Series
- Test of Direction Sense
- Number Series
- Alphabet Series
- Arguments
- Ven Diagram
- Blood Relations
- Coding and Decoding
- Number Ranking
- Arithmetical Reasoning

## General Knowledge

- Awards
- Authors
- Flower
- Defense
- Culture
- Religion
- Languages
- Capitals
- Wars and
- Neighbors
- Current Affairs
- History
- Anthem
- Important National Facts
- Heritage and Arts
- Dance
- Currencies
- Bird
- Animal

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- Abbreviations
- Discoveries
- Diseases and Nutrition
- Song
- Flag
- Monuments
- Personalities
- Freedom Movement
- Championships
- Winners
- Terms
- Common Names
- Full forms
- Soil
- Rivers
- Mountains
- Ports
- Inland Harbours
- Number of Players
- Culture
- Religion
- Dance
- Heritage and Arts

## **Mechanical**

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

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## Electrical

- Analog and Digital Electronics
- Systems and Signal Processing
- Control Systems
- Electrical Machines
- Electrical and Electronic Measurements
- Engineering Mathematics
- Electric Circuits and Fields
- Computer Fundamentals
- Basic Electronics Engineering
- Electrical Materials
- Power Systems
- Power Electronics and Drives

## Instrumentation

- Digital Electronic Circuits
- Electrical Measurements
- Electronics Instruments
- <https://www.freshersnow.com/syllabus/>
- Analog Electronics
- Analytical, Optical & Bio-Medical Instrumentation
- Instrumentation
- Signals & Systems
- Control Systems
- Electronics Circuits
- Fundamentals
- Microprocessors and Micro Computers