

HPCL Engineer Exam Pattern 2021

Parts	Name Of The Subjects
Part-I	General Aptitude <ul style="list-style-type: none">• English Language• Quantitative Aptitude Test• Intellectual Potential Test
Part- II	Technical / Professional Questions related to the Qualifying degree

HPCL Engineer Syllabus 2021

Part I - General Aptitude Syllabus

HPCL English Language Syllabus

- Idioms and phrases
- Fill in the blanks
- Grammar
- Spellings
- Synonyms/ Homonyms
- Detecting Mis-spelt words
- Spot the error
- Shuffling of sentence parts
- Cloze passage
- Comprehension passage
- And questions based on intellectual potential test
- Vocabulary
- Antonyms
- Sentence structure
- Improvement
- One word substitutions <https://www.freshersnow.com/syllabus/>

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- Shuffling of Sentences in a passage

HPCL Quantitative Aptitude Syllabus

- Percentages
- Trigonometry
- HCF & LCM
- Problem On Ages
- Pictorial Graph
- Mensuration
- Time & Work
- Simple & Compound Interest
- Simplification
- Statistical Charts
- Time & Speed
- Area
- Profit & Loss
- Bar Graph
- Geometry
- Average
- Fundamental Arithmetical operations
- Data Interpretation
- Investment
- Algebra
- Number Systems
- Pie Chart

HPCL Intellectual Potential Syllabus

- Classifications
- Sequential output tracing
- Logical Venn diagram
- Blood relations
- Puzzle test
- Coding-decoding
- Number series
- Sitting arrangement
- Analogy
- Alpha-numerical sequence puzzle
- Syllogism
- Numbers, ranking, and time sequence test
- Data Sufficiency <https://www.freshersnow.com/syllabus/>

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- Alphabet test
- Logical sequence test
- Arithmetical operations
- Direction sense test

Part II

HPCL Mechanical Engineering Syllabus

- Thermodynamics.
- Forming Processes.
- Metal Casting.
- Calculus.
- Fluid Mechanics.
- Engineering Materials.
- Probability & Statistics.
- Differential Equations.
- Turbomachinery.
- The Strength of Materials.
- Operations Research.
- Joining Processes.
- Operations.
- The design of Machine Elements.
- Refrigeration and air-conditioning.
- Theory of Machines.
- Engineering Mechanics.
- Tool Engineering.
- Thermodynamics and Statistical Mechanics.
- Vector Calculus.
- Numerical Methods.

HPCL Civil Engineering Syllabus

- Water requirements
- Air Pollution
- Municipal Solid Wastes
- Surveying
- Structural Analysis
- Mechanics
- Concrete Structures
- Steel Structures
- Fluid Mechanics and Hydraulics <https://www.freshersnow.com/syllabus/>

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- Hydrology
- Irrigation
- Noise Pollution
- Soil Mechanics
- Foundation Engineering:

HPCL Electrical Engineering Syllabus

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

HPCL Instrumentation Engineering Syllabus

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