

Indian Coast Guard Yantrik Exam Pattern

Subjects	Type Of Exam
Aptitude	Objective Mode
Qualitative Reasoning	
General Knowledge	
Concerned Branches (Mechanical/Electrical/Electronics & Telecommunication)	
English	

Indian Coast Guard Yantrik Syllabus - Subject Wise

General Knowledge

- Economy
- Coding-Decoding
- Embedded Figures
- Sports
- Clocks & Calendars
- Awards
- Current Events
- International Affairs
- Directions
- Non-Verbal Series
- Blood Relations
- Logical Ability
- Banking
- Arithmetical Reasoning
- Mirror Images
- Analogy

English

- Substitution
- Passage Completion
- Prepositions
- Joining Sentences

- Error Correction (Underlined Part)
- Fill in the blanks
- Synonyms
- Para Completion
- Active and Passive Voice
- Spotting Errors
- Spelling Test
- Idioms and Phrases
- Sentence Improvement
- Antonyms
- Sentence Arrangement
- Transformation
- Sentence Completion
- Error Correction (Phrase in Bold)

Reasoning

Verbal Reasoning

- Analogy
- Series Completion
- Situation Reaction Test
- Data Sufficiency
- Direction Sense Test
- Blood Relations
- Sequential Output training
- Assertion and Reasoning
- Alpha-Numeric Sequence Puzzle
- Puzzle Test
- Directions
- Word Sequence
- Venn Diagrams
- Missing Characters
- Arithmetical Reasoning
- Eligibility Test
- Test on Alphabets
- Operations of Mathematics
- Verification of truth of the Statement
- Classification
- Coding-Decoding

Non-Verbal Reasoning

- Dot Situation
- Construction of Squares and Triangles
- Series

- Forming figures and analysis
- Analytical Reasoning
- Analogy
- Classification
- Identical figure groupings
- Mirror Images
- Cubes and Dice
- Paper Folding
- Paper Cutting
- Figure Matrix
- Water Images
- Rules Detection
- Spotting embedded figures
- Completion Incomplete Pattern

Quantitative Aptitude

- Time and Work Partnership
- Simple Interest
- Areas
- Profit and Loss
- Problems on Trains
- Volumes
- Ratio and Proportion
- Boats and Streams
- Time and Distance
- Averages
- Simple Equations
- Compound Interest
- Races and Games
- Odd Man Out
- Mixtures and Allegations
- Pipes and Cisterns
- Quadratic Equations
- Mensuration
- Percentages
- Indices and Surds
- Probability
- Permutations and Combinations
- Numbers and Ages
- Problems on Numbers
- Problems on L.C.M and H.C.F
- Simplification and Approximation

Technical Subjects

Electrical

- Control systems.
- Analytical instrumentation.
- Power Systems.
- Digital Signal Processing.
- Computer Control of Processes, Networks.
- Measurements, Instrumentation, and Transducers.
- Power Electronics and Drives.
- Electrical machines.
- Electrical Circuits and Fields.
- Industrial Instrumentation.
- Digital Electronics.
- Communication Engineering.

Electronics and Telecommunications Syllabus

- Basic Electronics
- Electronic Circuits
- Electrical and Electronic Measurements and Instrumentation
- Network Analysis
- Logic Design
- Power Electronics
- Engineering Mathematics, Physics, and Chemistry
- Electrical Power Utilization
- Information and Network Security
- Field Theory
- Introduction to Computer Programming
- Transformers and Induction Machines
- Signals and Systems
- Artificial Neural Networks
- Microcontrollers
- Control Systems
- Computer Control of Electrical Drives
- VLSI Circuits and Design
- Electromagnetic Compatibility
- Electrical Design, Estimation and Costing
- Power System Operation and Control
- Control Theory
- Power System Analysis and Stability
- Electrical Machine Design

Mechanical

- Hydraulics machinery
- machine design

- Industrial engineering
- Management
- Thermal engineering
- engineering materials
- Hydraulics
- manufacturing technology
- Engineering mechanics and strength of materials

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