Cochin Shipyard Apprentice Exam Pattern

I) Ship Design Assistant

S.No	Subject Name	Number of Questions	Number of Marks	Duration
1	General Knowledge	05	05	60 Minutes
2	General English	05	05	
3	Reasoning	05	05	
4	Quantitative Aptitude	05	05	
5	Discipline related	30	30	

II) Fabrication Assistant and Outfit Assistant

Parts	Subject Names	Total Questions	Total Marks	Time Duration
Part A	General	10 Questions	10 Marks	35 Minutes
Part B	Related Trade	20 Questions	20 Marks	
Total		30 Questions	30 Marks	

CSL Ship Design Assistant Syllabus

General Knowledge

- Heritage.
- Current Affairs.
- Tourism.
- Indian Parliament.
- Literature.
- Geography.
- Indian History.
- Countries and Capitals.
- Civics.
- Environmental Issues.
- Sports.
- Famous Places in India.

- Indian Economy.
- Famous Days & Dates.
- Biology.
- Rivers, Lakes, and Seas.
- General Science.
- Artists.
- Famous Books & Authors.
- Indian Politics.
- Inventions and Discoveries.

English Language

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

Reasoning

- Logical Sequence of Words
- Non-Verbal Series
- Arrangements
- Relationship Concepts
- Number Series
- Arithmetical Reasoning
- Arithmetical Number Series
- Similarities and Differences
- Alphabet Series
- Figure Classification
- Coding-Decoding
- Arithmetical Computation
- Problem Solving
- Analogy
- Number Ranking

- Embedded Figures
- Clocks & Calendars
- Verbal and Figure Classification

Quantitative Aptitude

- Problems based on ages.
- Profit, Loss, and Discount, Statistics.
- Number system.
- Ratio and Proportion.
- Time and Work.
- Fraction and Decimals.
- Simplification.
- HCF and LCM.
- Average.
- Volume and surface areas.
- Square roots and Cube roots.
- Problems based on numbers, Speed, Time and Distance, Simple Interest.
- Compound Interest.
- Boats and Streams.
- Problems on Trains.
- Percentage – Interest.
- Permutations & Combinations.
- Probability.

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

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

Electronics

- Analog and Digital Communication Systems
- Control Systems
- Computer Organization and Architecture
- Electro Magnetics
- Advanced Electronics Topics
- Basic Electrical Engineering
- Materials Science
- Advanced Communication Topics
- Basic Electronics Engineering
- Electronic Measurements and Instrumentation
- Network Theory
- Analog and Digital Circuits

Instrumentation

- Digital Electronic Circuits
- Electrical Measurements
- Electronics Instruments
- Analog Electronics
- Analytical, Optical & Bio-Medical Instrumentation
- Instrumentation
- Signals & Systems
- Control Systems
- Electronics Circuits
- Fundamentals
- Microprocessors and Micro Computers