

Mumbai Port Trust Syllabus|| Check Class 1 & Class 2 Exam Pattern

Exam Pattern For Mumbai Port Trust Class I

Subject Names	Number of Marks	Number of Questions
Technical Questions (Subject Related)	120	60
Reasoning & General Awareness	30	30
Quantitative Aptitude	25	25
English Language	25	25
Total	200	140

Exam Pattern For Mumbai Port Trust Class II

Subjects	Number of Marks	Number of Questions
Reasoning	50	50
General Awareness	50	50
Quantitative Aptitude	50	50
English Language	50	50
Total	200	200

Syllabus For Mumbai Port Trust Class 1 & Class 2:

Civil Department:

- Hydrology & Water Resources Engineering.

- Transportation Engineering.
- Civil Engineering Materials and Construction.
- Surveying.
- Environmental Studies
- Concrete Technology.
- PSC Structures.
- Reinforced Concrete Structures.
- Bridge Engineering.
- Estimation, Costing, and Specifications.
- Steel Structures.
- Soil Mechanics and Foundation Engineering.
- Construction and Project Management.
- Hydraulic Structures.
- Solid Mechanics, Structural Analysis.
- Fluid Mechanics.
- Environmental Engineering.

Mechanical

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

Aptitude Syllabus:

- Probability
- Time and Distance
- Quadratic Equations
- Numbers and Ages

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

English Syllabus:

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

Reasoning Syllabus:

- Data Interpretation
- Non-Verbal Reasoning
- Data Sufficiency
- Analytical Reasoning
- Logical Reasoning
- Verbal Reasoning
- Puzzles

General Knowledge Syllabus:

- Inventions in the World
- Zoology
- Indian History
- Geography
- Famous Days & Dates
- Environment
- Physics
- Sports
- Indian Politics
- Famous Books & Authors
- Botany
- Indian Economy
- Chemistry
- Indian Parliament
- Indian Culture

General Awareness Syllabus:

- Current Affairs
- Authors
- Awards
- General Knowledge
- Environment
- Book
- Abbreviations
- Budget
- Geography
- Indian Economy
- International & National Organizations
- History
- General Science

Electrical Syllabus:

- Engineering Mathematics
- Signal and Systems

- Analog and Digital Electronics
- Control Systems
- Electrical Machines
- Power Systems
- Electric Circuits
- Power Electronics
- Electrical and Electromagnetic Measurements
- Electromagnetic Fields

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