

# CHENNAI PORT AUTHORITY

## COMPETITIVE EXAMINATION FOR THE POST OF DEPUTY TRAFFIC MANAGER

### 1. QUESTIONS RELATING TO SPECIALISATION

#### A. Multimodal Logistics and Contract Law

##### Multimodal Transportation Framework

- Multimodal Transportation of Goods Act, 1993: Definitions, scope, and applicability
- Registration of Multimodal Transport Operators Rules, 1992
- Multimodal Transport Document (MTD) Rules, 1994
- Liability regimes in multimodal transport
- General average provisions and jurisdiction

##### Mode-Specific Carriage Laws

- Carriage by Road Act, 2007 and Carriage by Road Rules, 2011
- Railways Act, 1989: Carriage provisions (Chapters IX-XI, Sections 61-112)
- Railway Claims Tribunal Act, 1987

- Carriage by Air Act, 1972: Warsaw and Montreal Convention provisions
- Indian Carriage of Goods by Sea Act, 1925 (COGSA)
- Carriage of Goods by Sea Act, 2025 (enacted, awaiting notification)
- Bills of Lading Act, 1856 and Bills of Lading Act, 2025
- Merchant Shipping Act, 1958 and Merchant Shipping Act, 2025

##### Contract Law Fundamentals

- Indian Contract Act, 1872: Formation, performance, and breach
- Bailment provisions (Sections 148-181): Rights and obligations of bailor and bailee
- Sale of Goods Act, 1930: Transfer of property, conditions and warranties
- Documents of title: Bills of lading, railway receipts, warehouse certificates, MTDs
- Remedies for breach of contract
- Limitation Act, 1963: Time limits for filing suits
- Specific Relief Act, 1963

##### Warehousing and Storage

- Warehousing (Development and Regulation) Act, 2007
- Warehousing Registration of Warehouses Rules, 2017
- Warehouse receipt systems and negotiability

### **Commercial Dispute Resolution**

- Commercial Courts Act, 2015: Disputes arising from carriage of goods
- Arbitration and Conciliation Act, 1996
- Alternative Dispute Resolution mechanisms

### **B. Port Operations and Traffic Management**

#### **Port Infrastructure and Operations**

- Major Ports Authorities Act, 2021: Governance and operational framework
- Indian Ports Act, 1908: Applicability and key provisions
- Port organizational structure and management
- Terminal operations: Container, bulk, and general cargo handling
- Vessel Traffic Services (VTS) and Port Community Systems

#### **Customs and Regulatory Compliance**

- Customs Act, 1962: Provisions affecting port operations

- Handling of Cargo in Customs Areas Regulations, 2009 (as amended 2019)
- Foreign Trade (Development & Regulation) Act, 1992
- Import-export documentation and procedures
- Examination and assessment of cargo
- Bonded warehouse operations

### **C. Shipping Contracts and Documentation**

#### **Fundamentals of Shipping Contracts**

- Essentials of shipping contracts: Offer, acceptance, consideration
- Types of shipping contracts: Charter parties, bills of lading, booking notes
- Standard shipping contract terms and conditions
- INCOTERMS 2020: Application in shipping

#### **Charter Parties**

- Voyage charter parties: Terms, laytime, demurrage, and despatch
- Time charter parties: Hire, off-hire, delivery and redelivery
- Bareboat/demise charter
- Standard charter party forms: GENCON, NYPE, BARECON

## **Bills of Lading**

- Functions and legal characteristics
- Types: Shipped/received, clean/claused, straight/order
- Negotiability and transfer of title
- Electronic bills of lading
- Mate's receipts and shipping bills

## **Other Shipping Documents**

- Sea waybills and delivery orders
- Manifest and cargo declarations
- Certificates of origin, quality, and weight
- Packing lists and commercial invoices
- Insurance certificates

## **Towage and Salvage Contracts**

- Principles of towage contracts
- Standard towage conditions
- Law of salvage and salvage conventions
- International Salvage Convention overview

## **D. Maritime Economics and Port Finance**

### **Shipping Market Economics**

- Shipping market cycles: Characteristics and prediction

- Supply and demand in sea transport
- Freight rate mechanisms and determination
- Vessel valuation and ship finance
- Risk assessment in shipping investments

### **Port Economics**

- Port pricing policies: Tariff structures and pricing strategies
- Port charges: Vessel-related, cargo-related, and service charges
- Scale rates and wharfage
- Storage and demurrage charges
- Port competitiveness and benchmarking

### **Seaborne Trade Analysis**

- Geography of maritime trade
- Bulk cargo transport economics
- Container trade dynamics
- Specialized and general cargo transport
- Trade route optimization

### **Performance Measurement**

- Key Performance Indicators (KPIs) for port operations
- Berth occupancy and utilization rates
- Cargo throughput analysis

- Vessel turnaround time metrics
- Equipment productivity measurement

## **E. Logistics and Supply Chain Management**

### **Integrated Logistics**

- Multimodal transport planning and coordination
- Last-mile connectivity and hinterland access
- Container Freight Stations (CFS) and Inland Container Depots (ICD)
- Coastal shipping and feeder services
- Dedicated Freight Corridors

### **Supply Chain Optimization**

- Just-in-Time (JIT) and lean logistics
- Inventory management in port context
- Vendor management and procurement
- Third-Party Logistics (3PL) and Fourth-Party Logistics (4PL)
- Cold chain logistics

### **Technology in Logistics**

- Port Community Systems and Electronic Data Interchange (EDI)
- Transport Management Systems (TMS)

- Warehouse Management Systems (WMS)
- GPS tracking and real-time visibility
- Blockchain in supply chain
- Internet of Things (IoT) applications

## **Sagarmala and National Logistics Policy**

- Sagarmala project: Objectives and components
- Port-led development and port connectivity
- Coastal Economic Zones
- National Logistics Policy framework
- PM Gati Shakti initiative

## **F. Safety, Security, and Environment**

### **Maritime Safety**

- International Safety Management (ISM) Code
- International Ship and Port Facility Security (ISPS) Code
- Dangerous Goods handling and IMDG Code
- Emergency response and contingency planning
- Accident investigation and reporting

### **Port Security**

- Port facility security plans
- Access control and surveillance systems
- Cargo security measures
- Cybersecurity in port operations
- Anti-terrorism and anti-piracy measures

### **Environmental Management**

- MARPOL Convention provisions
- Ballast water management
- Waste disposal and pollution control
- Green port initiatives
- Environmental impact assessment
- Coastal zone management regulations

### **Occupational Health and Safety**

- Workplace safety regulations
- Personal protective equipment (PPE)
- Risk assessment and hazard identification
- Safety audits and inspections
- Accident prevention and safety culture

## **G. Marine Insurance**

### **Marine Insurance Fundamentals**

- Nature and scope of marine insurance
- Marine Insurance Act, 1963
- Insurable interest in cargo and vessels
- Duty of utmost good faith (uberrimae fidei)

### **Types of Marine Insurance**

- Hull and machinery insurance
- Cargo insurance
- Freight insurance
- Liability insurance
- War risk insurance

### **Marine Insurance Contracts**

- Formation and essential elements
- Warranties: Express and implied
- Perils insured: Perils of the sea, fire, pirates, thieves
- Exceptions and exclusions
- Premium determination

### **Claims and Loss Assessment**

- Total loss: Actual and constructive
- Partial loss and particular average
- General average: York-Antwerp Rules
- Salvage charges and sue and labor expenses

- Claims procedure and documentation

## **H. Digital Systems and Compliance**

### **Information Technology Legal Framework**

- Information Technology Act, 2000: Provisions and applicability
- Digital Personal Data Protection Act, 2023: Data privacy and protection requirements
- Electronic documentation and digital signatures
- Cybersecurity regulations and best practices
- Electronic communication standards in maritime sector

### **Digital Documentation and Records**

- Electronic bills of lading and shipping documents
- Digital record-keeping requirements
- Authentication and verification of electronic documents
- E-governance initiatives in ports
- Paperless trade facilitation

## **2. TEST OF REASONING**

### **Logical Reasoning**

- Statement and Conclusion
- Statement and Assumptions

- Statement and Arguments
- Statement and Course of Action
- Cause and Effect
- Analytical Decision Making
- Critical Reasoning

### **Seating Arrangement**

- Circular Arrangement
- Linear Arrangement (Single and Double Rows)
- Square and Rectangular Arrangements
- Floor Puzzles
- Box-Based Puzzles

### **Puzzles**

- Scheduling Puzzles
- Blood Relations-Based Puzzles
- Ranking and Order Puzzles
- Age-Based Puzzles
- Day/Month-Based Puzzles
- Comparison-Based Puzzles

### **Blood Relations**

- Family Tree and Relationship Chains
- Coded Relationships
- Multi-generational relationships

### **Syllogisms**

- Categorical Syllogisms

- Advanced Syllogisms
- Venn Diagram Applications

### **Coding-Decoding**

- Alphanumeric Coding
- Letter Coding
- Number Coding
- Symbol-Based Coding
- Mixed Patterns

### **Direction Sense Test**

- Cardinal Directions (North, South, East, West)
- Complex Directions with Turning and Distances
- Shortest distance calculations

### **Input-Output**

- Machine input-output problems
- Step-wise arrangement of words/numbers

## **3. QUANTITATIVE APTITUDE**

### **Data Interpretation**

- Tabular Data Interpretation
- Line Graph Analysis
- Bar Graph (Simple, Stacked, Grouped)
- Pie Chart Calculations
- Caselets and Data Sufficiency
- Mixed Graphs

- Radar/Spider Charts

### **Number Series**

- Missing Number Series
- Wrong Number Series
- Pattern Recognition

### **Simplification and Approximation**

- BODMAS applications
- Surds and Indices
- Approximation techniques

### **Arithmetic**

- Percentages, Profit and Loss
- Simple Interest and Compound Interest
- Ratio and Proportion
- Averages and Weighted Averages
- Time and Work
- Time, Speed, and Distance
- Boats and Streams
- Trains and Platforms
- Mixtures and Alligations
- Partnerships
- Mensuration (2D and 3D)
- Probability and Statistics
- Permutation and Combination

### **Algebra**

- Quadratic Equations

- Linear Equations
- Inequalities

### **Advanced Topics**

- Set Theory and Venn Diagrams
- Logarithms
- Progressions (AP, GP)

## **4. GENERAL AWARENESS**

### **Current Affairs**

- National and international events
- Awards and Honors
- Sports events and achievements
- Government schemes and policies
- Economic and business news
- Important summits and conferences
- Books and authors
- Important days and themes

### **Indian and World Geography**

- Physical Geography: Landforms, climate, natural resources
- Indian Geography: States, capitals, rivers, mountains, ports
- World Geography: Continents, oceans, major ports
- Economic geography and trade routes

### **Indian History**

- Ancient India: Civilizations, empires, culture
- Medieval India: Sultanate and Mughal period
- Modern India: Freedom struggle, post-independence developments

### **Indian Polity and Governance**

- Constitutional Framework
- Fundamental Rights and Duties
- Directive Principles of State Policy
- Union and State Government structures
- Important constitutional amendments
- Judiciary and legal system
- Panchayati Raj and local governance

### **Economics**

- Basic economic concepts
- Indian Economy: Sectors, reforms, policies
- Banking and Finance: RBI, monetary policy
- Union Budget highlights
- International trade and organizations (WTO, IMF, World Bank)

### **Science and Technology**

- General Science: Physics, Chemistry, Biology
- Computer Awareness
- Space research and developments
- Recent scientific innovations
- Digital India initiatives

### **Environment and Ecology**

- Biodiversity and conservation
- Climate change and global warming
- Pollution and environmental issues
- International environmental agreements
- Renewable energy

### **Maritime and Port Sector**

- Major and minor ports in India
- Recent developments in shipping industry
- Maritime India Vision 2030
- International maritime organizations (IMO, UNCTAD)
- Port modernization projects
- Coastal shipping developments

## **5. ENGLISH LANGUAGE**

### **Reading Comprehension**

- Passage-based questions on themes, main ideas

- Inference and critical analysis
- Vocabulary in context
- Tone and author's perspective

### **Grammar and Usage**

- Error Spotting (Subject-verb agreement, tenses, prepositions, articles)
- Sentence Correction
- Fill in the Blanks (Single and Double)
- Cloze Test
- Phrase Replacement

### **Vocabulary**

- Synonyms and Antonyms
- One-word substitution
- Idioms and Phrases
- Word usage and meaning

### **Sentence and Paragraph Organization**

- Para Jumbles (Sentence Rearrangement)
- Paragraph Completion
- Sentence Improvement
- Coherence and logical flow

### **Advanced English**

- Active and Passive Voice
- Direct and Indirect Speech

- Spotting errors in sentence structure
- Word association and analogy

### **Business Correspondence**

- Formal letter writing principles
- Email etiquette
- Professional communication standards
- Technical report writing basics