

# Indian Coast Guard Assistant Commandant Syllabus|| Check ICG Assistant Commandant Exam Pattern

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## Indian Coast Guard Assistant Commandant Exam Pattern

S.no	Exam Type	Subjects
1	Objective Type	Mental Ability Test (MAT)
2		Aptitude Test

## Indian Coast Guard AC Exam Syllabus

### Indian Coast Guard Assistant Commandant Syllabus for Mental Ability

- Algebra.
- Complex Numbers.
- Partial fractions.
- Mathematical Induction.
- Matrices.
- Permutations and Combinations.
- Theory of Equations.
- Hyperbolic Functions.
- Additions of Vectors.
- Binomial Theorem.
- Trigonometry.
- Probability.
- Random Variables and Probability Distributions.
- Inverse Trigonometric Functions.
- Properties of Triangles.
- The product of Vectors.
- The Straight Line.
- Coordinate Geometry.
- Pairs of Straight Lines.
- Parabola.
- Locus.
- Hyperbola.
- Transformation of Axes.
- Integration.
- Circle.
- Ellipse.
- Definite Integrals.
- The system of circles.
- Limits and Continuity.
- Differentiation.
- Differential equations.

- Three-Dimensional Coordinates.
- Applications of Derivatives.
- Direction Cosines and Direction Ratios etc

### **ICG Assistant Commandant Syllabus for Numerical Aptitude**

- The test of Arithmetical and Numerical abilities.
- Ratio & Proportion.
- L.C.M.
- Discount.
- Decimals.
- H.C.F.
- Number Systems including questions on Simplification.
- Fractions.
- Percentage.
- Average.
- Profit & Loss.
- Mensuration.
- Time & Work.
- Time & Distance.
- Simple & Compound Interest.
- Tables & Graphs, etc

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