Indian Coast Guard Exam 2023 Syllabus PDF

Section I Syllabus -

- **General Science**

  1. Nature of Matter

  2. Universe (Planets / Earth/Satellites/Sun),

  3. Electricity and its application

  4. Carbon and its Compounds

  5. Measurements in Science

  6. Sound and Wave Motion, Atomic Structure

- **Mathematics**

  1. Mathematical Simplification

  2. Ratio and Proportion

  3. Algebraic Identities

  4. Linear Equations and Polynomials, Simultaneous Equations

  5. Basic Trigonometry

  6. Simple Mensuration

- **English**

  1. Passage

  2. Preposition

  3. Correction of sentences

  4. Change active to passive/passive to active voice.

  5. Change direct to indirect/indirect to direct, Verbs/Tense/Non-Finites

6. Punctuation.

7. Phrasal verbs and expressions

8. Antonyms and Synonyms

9. Use of Adjectives

10. Compounds and Prepositions

11. Use of pronouns

- **General Awareness**

1. Geography

2. History

3. Sports

4. Current Affairs

5. Capital & Currency

6. Awards & Honour

7. Appointments & Resignations, Obituaries

8. National Affairs

9. Sports

10. Business & Economy

11. International Affairs

12. Book & Authors

13. National parks

14. Wildlife Sanctuaries

15. Defense

16. Abbreviations

17. Government Schemes & Policies

- **Reasoning**

1. Spatial Reasoning

2. Coding and Decoding

3. Numerical Reasoning

4. Sequence and Spellings

Section II Syllabus -

- **Physics**

  1. Physical World and measurement

  2. Energy

  3. Kinematics

  4. Newtons Law of Motions

  5. Electrostatics

  6. Thermodynamics

  7. Optics

  8. Atoms and Nuclei

  9. Electronic Devices

  10. Magnetic effects

  11. AC and DC

  12. Waves

- **Mathematics**

  1. **Probability -** Statistics Algebraic Identities, Linear Equations, and polynomials.

  2. **Algebra -** Principal of Mathematical Induction, complex numbers and quadratic equations, Matrices and Determinants, Sequence and Series.

  3. **Calculus -** Limits and Derivatives, Continuity and differentially, differential equations, Applications of integrals.

4. **Sets, Relations, and Functions -** Relations and Functions, inverse trigonometric functions. Simple Mensuration, Geometry, Measures of Central Tendency

5. **Geometry -** Vectors and Three Dimensionals.

6. **Linear programming**

7. **Vectors -** Vectors, and three-dimensional geometry