

Indian Coast Guard Assistant Commandant Topics & Pattern



Indian Coast Guard Assistant Commandant Pattern

Section	Subsection				Duration
	Subjects	No of Questions (100 per section)	Total Marks (200 per section)	Passing Marks	
Section-I (for GD/CPL-SSA entry)	A: English	25	100	200(UR/EWS/OBC) 190 (SC/ST) {50 (UR/EWS/OBC) 45 (SC/ST) (for each subsection)}	2 Hrs
	B: Reasoning & Numerical Ability	25	100		
	C: General Science & Mathematical aptitude	25	100		
	D: General Knowledge	25	100		
Section II (for Mechanical entry)	A: English	10	40	80 (UR/EWS/OBC) 72 (SC/ST) (for sub section A to D)	2 Hrs
	B: Reasoning & Numerical Ability	10	40		
	C: General Science & Mathematical aptitude	10	40		
	D: General Knowledge	10	40		
	E: Mechanical	60	240	120 (UR/EWS/OBC) 108 (SC/ST) (for sub section E)	
Section III (for Electrical & Electronics entry)	A: English	10	40	80 (UR/EWS/OBC) 72 (SC/ST) (for sub section A to D)	2 Hrs
	B: Reasoning & Numerical Ability	10	40		
	C: General Science & Mathematical aptitude	10	40		
	D: General Knowledge	10	40		
	E: Electrical & Electronics	60	240	120 (UR/EWS/OBC) 108 (SC/ST) (for sub section E)	

Indian Coast Guard Assistant Commandant Topics

General Awareness

- Indian & World Geography.
- Indian Constitution.
- Science & Technology
- Indian History.
- Current Affairs – International & National.
- Indian Culture & Heritage.
- Indian Economy.
- General Polity.
- Events related to India and its neighboring countries.

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English

- Unseen Passages.
- Antonyms.
- Idioms & Phrases.
- Tenses.
- Synonyms.
- Vocabulary.
- Articles.
- Verb.
- Fill in the Blanks.
- Adverb.
- Grammar.
- Active & Passive Voice.
- Transformation of Sentences.

Reasoning

- Figural Analogy
- Drawing inferences
- Clocks and Calendars
- Number Series
- Embedded figures
- Mathematical Reasoning
- Statements and Arguments
- Blood relation
- Similarities and differences
- Coding and de-coding
- Alphabet Series
- Linear and Circular Sitting Arrangements
- Puzzles, etc

General Science

Physics

- Physical World and Measurement
- Work, Power, and Energy
- Laws of Motion
- Gravitation

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- Kinematics
- Solids and Fluids
- <https://www.freshersnow.com/syllabus/>
- Waves and Oscillations
- Electrostatics
- Current Electricity
- Electromagnetic Induction and Alternating Current
- Magnetic Effect of Current and Magnetism
- Optics
- Principles of Communication
- Dual Nature of Matter and Radiations

Mechanical

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

Electrical

- Analog and Digital Electronics
- Systems and Signal Processing
- Power Electronics and Drives

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- **Electrical Machines**
- **Power Systems**
- **Electrical and Electronic Measurements**
- **Electric Circuits and Fields**
- **Control Systems**
- **Electrical Materials**
- **Computer Fundamentals**
- **Basic Electronics Engineering**

Electronics

- **Electrical and Electronic Measurements.**
- **Digital Electronics.**
- **Analog Electronics**
- **Control Systems and Process Control.**
- **Analytical, Optical Instrumentation.**
- **Basics of Circuits and Measurement Systems.**
- **Transducers, Mechanical Measurement, and Industrial Instrumentation.**
- **Signals, Systems, and Communications**