

# Indian Navy

## INDIAN NAVY Pilot, Observer Science Syllabus

- Laws of motion
- Units and measurements
- Thermal properties of matter
- Gravitation
- Kinetic theory
- Wave Optics
- Work, energy, and power
- Physical world
- Oscillations
- Ray optics and optical instruments
- Mechanical properties of solids
- Thermodynamics
- Motion in a straight line
- Nuclei
- Motion in a plane
- Systems of particles and rotational motion
- Mechanical properties of fluids
- Moving charges and magnetism
- Electric charges and fields
- Electrostatic potential and capacitance
- Electromagnetic induction
- Current electricity
- Magnetism and Matter
- Dual nature of radiation and matter
- Alternating current
- Atoms
- Electromagnetic waves
- Semiconductor electronics
- Waves
- The s – block elements
- Communication systems
- Organic chemistry-some basic principles and techniques and hydrocarbons
- P-block elements – group 14 (carbon family)
- Solutions
- Surface chemistry
- Thermodynamics
- Chemical equilibrium and acids-bases
- Hydrogen and its Compounds
- Atomic structure
- D and f block elements & coordination compounds

# Indian Navy

- Classification of elements and periodicity in properties
- Environmental chemistry
- Biomolecules
- Solid state
- States of matter: gasses and liquids
- Chemistry in everyday life
- Stoichiometry
- General principles of metallurgy
- Organic compounds containing c, h, and o
- P- block elements group 13 (boron family)
- P-block elements
- Chemical bonding and molecular structure
- Electrochemistry and chemical kinetics
- Haloalkanes and Haloarenes
- Polymers
- Organic compounds containing nitrogen

## Indian Navy SSC Syllabus - Mathematics

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

## भारतीय नौसेना ATC General English Syllabus

- Idioms and Phrases
- Sentence Improvement
- Synonyms
- Sentence Arrangement

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

## Indian Navy ATC Syllabus - Aptitude

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

# Indian Navy

- Profit and Loss
- Simplification and Approximation

## Indian Navy Pilot General Knowledge Syllabus

- Geography of India
- Economic issues in India
- National news (current)
- International issues
- Tribes
- Indian Culture
- Handicrafts
- Countries and capitals
- Political Science
- Scientific observations
- About India and it's neighboring countries
- New inventions
- World organizations
- Famous Places in India
- Books And Author
- Science and innovations
- Important Dates
- Music & Literature
- National Dance
- Famous Places
- Artists
- Tourism spots of Historical Importance
- Sculptures
- Musical Instruments etc