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Indian Navy AA, SSR Exam **Pattern & Syllabus**

Dear Candidates, We are providing the Latest Syllabus & Exam Pattern for Indian Navy AA, SSR Recruitment 2017 which helps you to prepare for your Exam.

The details descriptions of the Exam Pattern & Syllabus are as follows- :

Selection Process

Selection of recruits is based on the order of merit on their performance in Written Test, qualifying Physical Fitness Test (PFT) and fitness in Medical Examinations.

• Written Test

- (a) The question paper will be bilingual (Hindi & English) and objective type.
- (b) The question paper will comprise of four sections i.e. English, Science, Mathematics and General Knowledge.
- (c) The question paper will be of 10+2 standard and the syllabus for the examination is available on website www.joinindiannavy.gov.in.
- (d) Duration of examination will be one hour.
- (e) The candidates are required to pass in all sections and in aggregate.

- **Physical Fitness Test (PFT)**

(a) Qualifying in Physical Fitness Test is mandatory for selection

(b) PFT will consist of 1.6 Km run to be completed in 7 minutes, 20 squat ups (Uthak Baithak) and 10 Push-ups. Candidates undergoing PFT will do so at their own risk.

ADVISORY: *Proficiency in sports, swimming and extra-curricular activities is desirable.*

- **Medical Standards**

(a) Medical examination will be conducted by authorised military doctors as per medical standards prescribed in current regulations applicable to sailors on entry.

(b) Minimum height 157 cms. Weight and Chest should be proportionate. Minimum chest expansion of 5 cms.

(c) The candidate must be in good physical and mental health, free from any defect likely to interfere with the efficient performance of duties both ashore and afloat under peace as well as war conditions as per Navy Order (Special) 01/2008. Extract of the Navy Order can be accessed from the official recruitment website.

(d) Initial Medical Examination for recruitment will be considered only “Provisionally fit subject to fitness in the final medical examination”. Final Medical Examination of all selected candidates will be done at INS Chilka. Candidates, who are NOT found medically fit in the final medical examination

at INS Chilka, will NOT be enrolled for training. No “Appeal” is permitted for review after the final enrolment medical examination at INS Chilka.

Candidates are advised to must check the official notification for the more details regarding selection criteria for the Enrolment as-- AA & SSR in INDIAN NAVY.

Syllabus

Physics

- Gravitation
- Kinematics
- Principles of communication
- Work, energy, and power
- Heat and thermodynamics
- Magnetic effect of current and magnetism
- Dual nature of matter and radiation
- Physical world and measurement
- Laws of motion
- Electromagnetic Waves
- Solids and semiconductors devices
- Solids and semiconductors devices
- Motion of system of particles & rigid body
- Mechanics of solids and fluids
- Oscillation
- Heat and thermodynamics
- Waves
- Electrostatic
- Current electricity
- Electromagnetic induction and alternating current
- Optics
- Atomic Nucleus

Mathematics

- Differentiation
- Function, limit, and continuity
- Indefinite integrals
- Boolean Algebra
- Applications of derivatives

- Sets relations and functions
- Cartesian system of rectangular coordinates
- Circles and family of circles
- Quadratic equations and linear in equations
- Inverse trigonometric functions
- Probability
- Trigonometric functions
- Statistics
- Definite integrals
- Solutions of triangle
- Mathematical induction
- Family of lines
- Exponential and logarithm series
- Matrices and determinants
- Straight line
- Conic sections
- Sequences and series
- Complex numbers
- Permutations and combinations
- Function, limit, and continuity
- Matrices and determinants
- Differential equation
- Logarithm
- Mathematical logic
- Binomial theorems

English

A) Comprehension

- A small passage followed by questions.
- To judge comprehension
- Drawing of inferences
- Use of vocabulary

B) Composition

- Agreement of subject with verb
- Pattern of verb and their use
- Sequence of tenses
- Transformation of sequences-Compound, Complex, Simple, Negative, Affirmative

C) Grammar

- Antonyms and Synonyms
- Spellings
- Correct usage of articles
- One word substitution
- Correct usage of Adverbs
- Correct usage of Prepositions
- Words, which are commonly getting confused
- Correct usage of adjectives-degrees of comparison
- Correct usage of conjunctions
- Word order
- Correct usage of Nouns and Pronouns
- Correct usage of numbers (Singular-Plural)
- Word formation

D) Idioms and Phrases

- Use of Common proverbs
- Use of simple idioms

E) Direct / Indirect sentences: Narration change

- Change of various types of sentences from indirect to direct form
- Change of various types of sentences from direct to indirect form

F) Active and Passive Voices

- Change of all types of sentences from passive to active voice
- Change of all types of sentences from active to passive voice

Quantitative Aptitude

- Number System.
- Decimal & Fractions.
- Percentages.
- Problems on Ages.
- Average.
- Simplification.
- Ratio and Proportions.
- Profit and Loss.

- Time and Work.
- HCF & LCM.
- Time and Distance.
- Simple & Compound Interest.
- Mixtures & Allegations.
- Data Interpretation etc.

General Knowledge

- Indian Constitution.
- Awards and Honors.
- Books.
- Culture.
- History.
- Current events.
- Current Affairs – National & International.
- Sports and Games.
- Geography.
- General Politics.
- Important Days.
- Economic Scene.
- Books and Authors.
- Abbreviations.
- Science – Inventions & Discoveries.
- Important Financial & Economic News.

These Indian Navy AA, SSR Syllabus & Exam Pattern topics are given only for the practice & reference purpose. For More Details, visit SarkariExam.com regular & Stay updated..

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