

Indian Navy (SSR & AA) Exam Pattern

Eligibility Criteria

- Unmarried Male Indian citizens and subjects of Nepal and Bhutan
- **Educational Qualifications:** Qualified in 10+2/equivalent examination with Maths and Physics and at least one of these subjects; Chemistry/Biology/Computer Science.
- **Age Limit:** Candidates should have been born between **01st February 1998 to 31st January 2002** (Both dates inclusive)

SELECTION CRITERIA :-

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

1. **Written Test.**
2. **Physical Fitness Test (PFT).**
3. **Medical Standards.**

Navy SSR & AA Exam pattern

Exam Pattern : Exam Pattern for the **SSR & AA written Exam** is as Follows :-

- (a) The question paper will be **bilingual** (Hindi & English) and of objective type.
- (b) Question Paper Will be **Divided into 04 Parts** and Each part will be of **25 Questions**.
- (c) The question paper will comprise of four sections i.e. **English, Science, Mathematics and General Awareness**.
- (d) The **standard** of the question paper will be that of **10+2**.
- (e) Duration of question paper will be of **one hour** (60 minutes).
- (f) The candidates are required to pass in all sections and in aggregate.
- (g) There Will be No Negative Marking. (If there Any Change in Negative Marking, We Will Update Here).

Computer based examination

Subjects	Questions
Mathematics	25
Science	25
English	25
General awareness	25
Total	100

Syllabus

Indian Navy SSR & AA Syllabus is given below :-

SCIENCE

01. Physical World and Measurement, Kinematics, Laws of Motion, Work, Energy and Power, Motion of System of Particles and Rigid Body/Gravitation.
02. Mechanics of Solids and Fluids, Heat Thermodynamics, Oscillations, Waves, Electrostatics, Current Electricity.
03. Magnetic Effect of Current and Magnetism, Electromagnetic Induction and Alternating Current, Electromagnetic Waves.
04. Optics, Dual Nature of Matter and Radiations, Atomic Nucleus / Solid and Semi-Conductor Devices, Principles of Communication.
05. Metals and Non Metals, Organic Chemistry, Food, Nutrition and Health, Physiology and Human Diseases, Computer Science.

MATHEMATICS

01. Relations and Functions, Logarithms, Complex Numbers, Quadratic Equations, Sequences and Series, Trigonometry.
02. Cartesian System of Rectangular Coordinates, Straight Lines Family of Straight Lines, Circles.
03. Conic Sections, Permutations and Combinations, Vectors, Exponential and Logarithmic Series, Sets and Set Theory, Statistics.
04. Introduction to Three Dimensional Geometry, Probability Function, Limits and Continuity, Differentiation, Applications of Derivatives.
05. Indefinite Integrals Binomial Theorem, Matrices, Determinants, Definite Integrals.

ENGLISH

01. Passage, Preposition, Correction of sentences, Change active to passive/passive to active voice.
02. Change direct to indirect/indirect to direct, Verbs/Tense/Non Finites, Punctuation.
03. Substituting phrasal verbs for expression, Synonyms and Antonyms, Meanings of difficult words.
04. Use of adjective, Compound preposition, Determiners(use of a, the, any etc), Use of pronouns.

GENERAL AWARENESS

01. Culture and Religion, Geography : Soil, Rivers, Mountains, Ports, Inland Harbours, Freedom Movement.
02. Sports : championships/Winners/Terms/No. of Players, Defence, Wars and Neighbours, Current Affairs.
03. Important National Facts about India, Heritage and Arts, Dance, History, Languages, Capitals and Currencies.
04. National : Bird/ Animal/ Sport/ Flower/ Anthem/ Song/ Flag/ Monuments, Eminent Personalities.
05. Common Names, Full forms and Abbreviations, Discoveries, Diseases and Nutrition, Award and Authors.
06. Spatial, Numerical, Reasoning & Associative Ability, Sequences, Spellings Unscrambling, Coding and Decoding

Physical Fitness Test (PFT)

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. Qualifying in Physical Fitness Test is mandatory for selection.

Medical Examination

- (a) Medical examination will be conducted by authorized 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) 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 enrollment medical examination at INS Chilka.