



SINCE - 2003

# TRISHUL DEFENCE ACADEMY

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## Air Force Exam Pattern वायु सेना परीक्षा प्रारूप

The examination will be conducted online, and the duration for will be 45 minutes for Group Y. The questions will be of objective type and bilingual.

परीक्षा ऑनलाइन आयोजित की जाएगी समूह Y के लिए 45 मिनट की अवधि होगी। प्रश्न वस्तुनिष्ठ प्रकार और द्विभाषीय होंगे।

- Every correct answer will receive one mark.  
एक अंक प्रत्येक सही उत्तर के लिए
- Every wrong answer will have a 0.25 mark deduction.  
प्रत्येक गलत उत्तर के लिए 0.25 अंक काटे जाएंगे
- No marks will be deducted for unattempted questions.  
अनुत्तरित प्रश्नों के लिए कोई ऋणात्मक अंक नहीं है

The following is the marking scheme

Group	Subject	No. of question	Maximum marks
GROUP Y	Reasoning and General Awareness	30	50
	English	20	

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from 18 Years



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## Reasoning and General Awareness (RAGA) 'Y' Group

तर्कशक्ति और सामान्य जागरूकता

### Part-A Reasoning-तर्कशक्ति

- |  |  |
|--|--|
| 1. Numerical series<br>संख्यात्मक श्रंखला  | 9. Odd man out<br>असंगत अलग करें                     |
| 2. Distance and direction sense Test<br>दूरी और दिशा परीक्षण                                   | 10. Mutual relation problem<br>आपसी संबंध समस्या     |
| 3. Mathematical operations<br>गणितीय संक्रियाएँ  | 11. Tallest, youngest relation<br>ऊँचा, बड़ा सम्बन्ध |
| 4. Number ranking & time sequence test<br>संख्याक्रम एवं समयक्रम परीक्षण                       | 12. Dictionary words<br>शब्दकोश शब्द                 |
| 5. Assigning Artificial Values to Mathematical Digit<br>गणितीय अंको को कृत्रिम मान प्रदान करना | 13. Analogy<br>समानता                                |
| 6. Inserting correct mathematical sign<br>सही गणितीय चिह्न सम्मिलित करना                       | 14. Non-verbal reasoning<br>अशाब्दिक तर्क            |
| 7. Human relation<br>मानव सम्बन्ध  | 15. Number coding<br>संख्या कूट                      |
| 8. Coding and decoding<br>कोडिंग और डिकोडिंग   | 16. Number puzzle<br>संख्या पहेली                    |

### Part-B Mathematics 'Y'/'Y' वर्ग के लिए गणित

- |   |   |
|---|---|
| 1. LCM & HCF (ल.स. & म.स.)                      | 9. Time, Speed and Distance (समय, गति एवं दूरी) |
| 2. Simplification & Fractions (सरलीकरण & भिन्न) | 10. Time & Work (समय & कार्य)                   |
| 3. Ratio & Proportion (अनुपात & समानुपात)       | 11. Mensuration(क्षेत्रमिति) – 2D               |
| 4. Number System (संख्या पद्धति)                | 12. Mensuration (क्षेत्रमिति)– 3D               |
| 5. Average (औसत)                                | 13. Simple Trigonometry (साधारण त्रिकोणमिति)    |
| 6. Percentage (प्रतिशत)                         | 14. Probability (प्रायिकता)                     |
| 7. Profit & Loss (लाभ & हानि)                   |   |
| 8. SI and CI (साधारण व्याज & चक्रवृद्धि व्याज)  |   |

### Part-C General Knowledge- सामान्य ज्ञान 'Y' Group

- |                                    |                                |
|------------------------------------|--------------------------------|
| 1. India- Size and Location        | भारत आकार एवं अवस्थिति         |
| 2. States of India                 | भारत के राज्य                  |
| 3. Physical features of India      | भारत की भू-आकृति               |
| 4. Drainage                        | अपवाह                          |
| 5. Climate                         | जलवायु                         |
| 6. Soils of India                  | भारत की मिट्टियाँ              |
| 7. Minerals and oil refineries     | खनिज एवं तेल                   |
| 8. Natural Vegetation and Wildlife | प्राकृतिक वनस्पति एवं वन्य जीव |
| 9. Important Terminology           | महत्वपूर्ण शब्दावलि            |
| 10. Indian Freedom Struggle        | भारतीय स्वतंत्रता संग्राम      |
| 11. Current Affairs                | समसामयिकी                      |



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## English Syllabus-Grammar Section for 'Y'

- I. A short passage followed by four questions to test passages.  
The questions will be set:
  1. To judge understanding of the passage.
  2. To draw inference
  3. To judge understanding
- II. Grammar -I
  1. Subject-verb concord
  2. Forms of verbs and errors in the use of verb, etc.
  3. Sequence of tenses and errors in the use of tenses
  4. Transformation of sentences- Compound, Complex, Simple, Negative, Affirmative, Comparative degree, Positive degree, Superlative degree etc.
- III. Grammar-II
  1. Formation of words- Noun from verbs and adjectives, Adjectives from nouns and verbs, Adverbs from adjectives etc
  2. Determiners
  3. The Preposition
  4. Nouns and Pronouns
  5. The Adjective
  6. The Adverb
  7. The Conjunction
  8. The modals
  9. Clauses- Noun clauses, Adverb clauses of condition and time and Relative
- IV. Vocabulary
  1. Synonyms and Synonyms in context
  2. Antonyms and Antonyms in context
  3. One word substitution
  4. Spelling mistakes
  5. Simple Idioms/phrases
  6. Words often confused/Selecting the correct word fitting in a sentence
- V. Narration (Direct and Indirect)
  1. Commands and requests
  2. Statements (Various tenses)
  3. Questions (Various forms of questions, tenses, etc.)
  4. Questions (Various forms of questions, tenses, etc.)
- VI. Voice (Active and Passive)
  1. Changes required under each tense.
  2. Other conditions for transforming Active into Passive
    - (a) The Preposition
    - (b) Modal auxiliaries
    - (c) Initiative
    - (d) Participles
- VII. Jumbled Sentences



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TRISHUL DEFENCE ACADEMY HAS BEEN COMPREHENSIVE OF INDIAN AIR FORCE 'Y' SYLLABUS FOR WHICH EFFORTS HAS BEEN MAXIMUM IN PROVIDING THE COMPLETE DETAILS OF INDIAN AIR-FORCE 'Y' SYLLABUS TO MAKE YOUR PREPARATION EASIER & SMARTER.

WISH YOU ALL THE SUCCESS.

JAI HIND