Air Force Group X and Group Y

Eligibility Criteria

Age : Date of Birth Block **(a)** Candidate born between 14 July 1998 and 26 June 2002 (both days inclusive) are eligible to apply. **(b)** In case, a candidate clears all the stages of the Selection Procedure, then the upper age limit as on date of enrolment is 21 years.

Education Qualification :

- **Group X (Except Education Instructor Trade):**Passed Intermediate/10+2/ Equivalent examination with Mathematics, Physics and English with minimum 50% marks in aggregate and 50% marks in English.

- **Group Y (Except Automobile Technician, GTI, IAF (P), IAF(S) and Musician) Trades:** Passed Intermediate / 10+2 / Equivalent Examination in any stream/subjects approved by Central / State Education Boards with minimum 50% marks in aggregate and 50% marks in English.

- **Group Y Medical Assistant Trade Only:** Passed 10+2/Intermediate/ equivalent exam with Physics, Chemistry, Biology and English with a minimum of 50% marks in aggregate and 50% marks in English.

Exam Pattern

As it is said that half knowledge is harmful and in this competitive era before preparing for an exam one must be completely aware of the exam pattern to be successful and to have the complete knowledge of the respective subjects, so below is the thorough detail of the exam pattern of group x & y:

Group X Exam Pattern:
The duration of Group X will be **60 minutes** and will comprise of English, Physics & Mathematics questions as per 10+2 CBSE syllabus.

S. N0.	Subject Name	Time Duration
1	English	60 minutes
2	Physics	
3	Mathematics	

Group Y Exam Pattern:
The duration of Group Y will be **45 minutes** and will comprise of English as per 10+2 CBSE syllabus and Reasoning & General Awareness questions.

S. N0.	Subject Name	Time Duration
1	English	45 minutes
2	Reasoning	
3	General Awareness	

X & Y GROUP WRITTEN PROGRAMME

Group 'X' (Technical) Trades

Witten exam Pattern English, Physics and Mathematics as per 10+2 CBSE syllabus.

Duration of the written test   :   60 minutes

Number of Questions :

English	:	20
Physics	:	25
Mathematics	:	25

Total	**:**	**70**

Group 'Y' (Non-Technical) :

Written exam Pattern English as per 10+2 CBSE syllabus and Reasoning And General Awareness (RAGA).

Duration of the written test   :   45 minutes

Number of Questions :

English	:	20
RAGA	:	30

Total	**:**	**50**

Both Groups 'X&Y' Trades

Written exam Pattern English, Physics, and Mathematics as per 10+2 CBSE syllabus and Reasoning And General Awareness (RAGA).

Duration of the written test   :   85 minutes

Number of Questions :

English	:	20
Physics	:	25
Mathematics	:	25
RAGA	:	30

Total	**:**	**100**

Syllabus

After completing the registration it is must for the candidate to have the complete idea of the syllabus and accordingly start their preparation. So below is the detailed syllabus:

ENGLISH

I. Comprehension
A small passage followed by questions.
1. To judge comprehension
2. Drawing of inferences
3. Use of vocabulary

II Composition
1. Agreement of subject with verb
2. Pattern of verb and their use.
3. Sequence of tenses.
4. Transformation of sequences-Compound, Complex, Simple, Negative, Affirmative.

III Grammar
1. Spellings
2. Word formation
3. Antonyms and Synonyms
4. One word substitution
5. Correct usage of articles
6. Correct usage of Prepositions
7. Correct usage of adjectives-degrees of comparison
8. Correct usage of conjunctions
9. Correct usage of Nouns and Pronouns
10. Correct usage of numbers (Singular-Plural)
11. Words, which are commonly getting confused
12. Word order
13. Correct usage of Adverbs

IV. Idioms and
1. Use of simple idioms
2. Use of Common proverbs

V. Direct / Indirect sentences : Narration change
1. Change of various types of sentences from direct to indirect form
2. Change of various types of sentences from indirect to direct form

VI. Active and Passive Voices
1. Change of all types of sentences from active to passive form
2. Change of all types of sentences from passive to active form

PHYSICS

1. Physical World & Measurement
2. Kinematics
3. Laws of Motion
4. Work, Energy & Power
5. Motion of System of particles & Rigid Body
6. Gravitation
7. Properties of Bulk Matter
8. Thermodynamics
9. Behaviour of Perfect Gas & Kinetic Theory of gases
10. Oscillations & Waves
11. Electrostatics
12. Current Electricity
13. Magnetic effect of current & Magnetism
14. Electromagnetic Induction and Alternating current
15. Electromagnetic Waves
16. Optics
17. Dual Nature of Matter
18. Atoms and Nuclei
19. Electronic Devices
20. Communication Systems

MATHEMATICS

1. Sets, Relations, functions
2. Trigonometric functions
3. Inverse Trigonometric functions
4. Complex Numbers
5. Quadratic Equations
6. Sequence & Series (AP & GP)
7. Permutation
8. Combination
9. Binomial Theorem
10. Coordinate geometry – Straight line
11. Coordinate geometry – Circles
12. Coordinate geometry – Parabola
13. Coordinate geometry – Ellipse
14. Coordinate geometry – Hyperbola
15. Exponential Series
16. Logarithmic Series
17. Matrices
18. Determinants
19. Limit & Continuity
20. Differentiation
21. Application of Differentiation
22. Indefinite Integrals
23. Definite Integrals
24. Application of Integration
25. Deferential Equations
26. Probability
27. Statistics