

NOTIFICATION & SYLLABUS

Air Force Airmen Group “X” Trades (Except Education Instructor Trade) and Group “Y” Trades {Except Indian Air Force (Security) & Musician Trades} for intake: 02/2020

- **Online Registration Dates: 01 July to 15 July 2019**
- **Online Exam Dates: 21 September to 24 September 2019**
- **Unmarried male Indian citizens** (citizens of Nepal are also eligible)
- **The selection test is not for selection as Commissioned Officers/ Pilots/Navigators**
- Application will be filled ONLINE by the candidates and detailed instructions to fill up the same are available at **www.airmenselection.cdac.in** and the same would also be available on: **www.careerindianairforce.cdac.in**
- **Followings are to be uploaded as the case may be:**
 - (a) Class 10th/matriculation passing certificate. (b) Intermediate/10+2 or equivalent marksheet/ marksheets (if applying on the basis of 12th/intermediate or equivalent educational qualifications). **OR** (c) 3 Yrs Engineering Diploma Final Year Marksheet Engineering Diploma from a Govt. recognised polytechnic in prescribed stream). (d) Passport size recent colour photograph (taken not before June 2019) of size 10 KB to 50 KB (e) Candidate’s left hand thumb impression image (Size 10 KB to 50 KB). (f) Candidate’s signature image (Size 10 KB to 50 KB). (g) Candidate’s parent’s (Father/Mother)/Guardian’s signature image (if candidate is below 18 years on the date of filling the online application). (h) The mark sheet indicating marks in English subject in diploma (if applying on the basis of 3 Years Engineering Diploma qualification) or in 12th/10th if English is not a subject in diploma.
- **Examination Fee:** Examination fee of Rs. 250/- is to be paid by the candidate while registering for the online examination.
- Candidate must have his valid **E-mail ID** and **Mobile No.** for successful online registration.
- Candidate should have his **Aadhaar Card** Number handy.
- Candidates are to reach at the examination Centre with **colour print out of provisional admit card**.
- The candidate shall carry a **valid ID proof** whenever he reports for the selection test (Phase I & II) and medical test.
- **The result of Phase-I** and the list of shortlisted candidates for Phase-II, based on their performance in Phase-I Online test, will be uploaded on **www.airmenselection.cdac.in** after 25 days from the date of online exam.
- **Marking pattern for Online Test:** (i) **One mark** for every correct answer. (ii) **Nil (0) marks** for unattempted question. (iii) **0.25 marks** shall be deducted for each wrong answer.
- **Candidates are to qualify in each paper separately in their respective groups.**

ELIGIBILITY CRITERIA

Date of Birth Block:

- (a) Candidate born between **19 July 1999 and 01 July 2003** (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.**

Educational Qualification:

- (a) **Group “X” (Except Education Instructor Trade).**
- (i) Passed **Intermediate/10+2/Equivalent examination** with **Mathematics, Physics and English** from an Educational Board listed as **COBSE member** with minimum **50% marks** in aggregate and **50% marks in English. OR**
 - (ii) Passed **three years Diploma Course in Engineering in any stream**, as mentioned in the drop down menu of apply online section under candidate’s login on the CASB web portal **www.airmenselection.cdac.in**. The candidate should have completed the course from a Government recognized Polytechnic institute **listed as COBSE member** with minimum 50% marks in aggregate and 50% marks in English in diploma, or in Intermediate/Matriculation, if English is not a subject in Diploma Course.
- (b) **Group “Y” {Except Medical Assistant and Musician} Trades.**
- (i) Passed Intermediate/10+2/Equivalent Examination in any stream/subjects approved by **Central/State Education Boards** listed as **COBSE member** with minimum 50% marks in aggregate and 50% marks in English, **OR**
 - (ii) Passed **two years vocational course from Educational Boards** listed as **COBSE member** with minimum 50% marks in aggregate and 50% marks in English in vocational course or in Intermediate/Matriculation if English is not a subject in Vocational Course.
- (c) **Group “Y” Medical Assistant Trade Only.** Passed 10+2/Intermediate/ equivalent exam with Physics, Chemistry, Biology and English from an Educational Board listed as **COBSE member** with a minimum of 50% marks in aggregate and 50% marks in English.

Note - 1: Candidate eligible for Group ‘X’ examination (on the basis of intermediate/10+2) are also eligible for Group Y and would be given an option of appearing in both group X and Group Y exam in one sitting while filling up the online registration form.

Note - 2: Diploma holders are eligible to appear for Group X trades only.

Note - 3: Education Boards listed in Council of Boards for School Education (COBSE) website as members, as on date of registration shall only be considered.

Mandatory Medical Standards:

- (a) General Medical Standards for both Group 'X' (Except Education Instructor Trade) and Group 'Y' {Except IAF (S) and Musician} Trades are as follows: (i) **Height:** Minimum acceptable height shall be **152.5 cms**.
- (ii) **Chest:** Minimum range of expansion: 5 cm. (iii) **Weight:** Proportionate to height and age. However, minimum weight of 55 Kg required for Operations Assistant (ATS) Trade only.
- (iv) **Corneal Surgery (PRK/LASIK)** shall not be acceptable. (v) **Hearing:** Candidate should have normal hearing, i.e. able to hear forced whisper from a distance of 6 meters with each ear separately.
- (vi) **Dental:** Should have healthy gums, good set of teeth and minimum 14 dental points.
- (vii) **Health:** Candidate should be of normal anatomy without loss of any appendages. He should be free from any active or latent, acute or chronic, medical or surgical disability or infection and skin ailments. Candidate shall be physically and mentally FIT to perform duty in any part of the world, in any climate and terrain.
- (b) Details of **medical standards** for various Groups/Trades are available on CASB web portal: www.airmenselection.cdac.in

PAY, ALLOWANCES & PERQUISITES

Pay & Allowances: During training, a stipend of Rs. **14,600/-** per month shall be paid. On completion of training the **starting gross emoluments at the minimum of scale of pay** including Military Service Pay (MSP), Group 'X' Pay {applicable for Group 'X' Trades only} and Dearness Allowance (DA) will be as follows:

- (a) **Group "X" Trades** (Except Education Instructor Trade). **Rs. 33,100/- per month** plus Dearness allowance (as applicable) which, in subsequent years, may rise as per the career progression of the individual.
- (b) **Group "Y"** {Except IAF(S) and Musician} **Trades. Rs. 26,900/- per month** plus Dearness allowance (as applicable) which, in subsequent years, may rise as per the career progression of the individual.

BOTH GROUP X & Y EXAM PATTERN

Duration of the Online test shall be 85 minutes and shall comprise of English, Physics, Mathematics as per 10+2 CBSE syllabus, and Reasoning & General Awareness (RAGA).

S. NO.	Subjects	Questions	Time Duration
1	English	20	85 minutes
2	Physics	25	
3	Mathematics	25	
4	Reasoning & General Awareness (RAGA)	30	

SYLLABUS FOR GROUP 'X & Y' (TECHNICAL & NON-TECHNICAL TRADES)

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. A short passage followed by four questions to test comprehension. The questions will be set: 1. To judge understanding of the passage. 2. To draw inference 3. To judge understanding of vocabulary	II. Grammar – 1 1. Subject – verb concord 2. Forms of verbs and errors in the use of verbs, 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 – 2 1. Formation of words – Nouns 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 clauses

IV. Vocabulary 1. Synonyms and Synonyms in context 2. Antonyms and Antonyms in context 3. One word substitution 4. Spelling pitfalls 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.)	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) Infinitive (d) Participles VII. Jumbled Sentences
PHYSICS		
1. Physical World and Measurement	2. Kinematics	3. Laws of Motion
4. Work, Energy and Power	5. Motion of System of Particles and Rigid Body	6. Gravitation
7. Properties of Bulk Matter	8. Thermodynamics	9. Behaviour of Perfect Gases and Kinetic Theory of Gases
10. Oscillations and Waves	11. Electrostatics	12. Current Electricity
13. Magnetic Effects of Current and Magnetism	14. Electromagnetic Induction and Alternating Current	15. Electro Magnetic Waves
16. Optics	17. Dual Nature of Matter and Radiation	18. Atoms and Nuclei
19. Electronic Devices	20. Communication Systems	
MATHEMATICS		
1. Sets, Relations and functions	2. Trigonometric Functions	3. Inverse Trigonometric Functions
4. Complex Number and Quadratic Equations	5. Linear Inequalities	6. Mathematical Induction
7. Permutations and Combinations	8. Binomial Theorem	9. Sequences and Series
10. Cartesian system of rectangular co-ordinates	11. Straight lines and family of lines	12. Circles and family of circles
13. Conic sections	14. Three-dimensional Geometry	15. Matrices and Determinants
16. Limit and Continuity	17. Differentiation	18. Applications of Derivatives
19. Indefinite integrals	20. Definite Integrals	21. Applications of the Integrals
22. Differential Equations	23. Mathematical Reasoning	24. Linear Programming
25. Vector	26. Probability	27. Statistic
REASONING AND GENERAL AWARENESS (RAGA)		

1. GENERAL KNOWLEDGE & CURRENT AFFAIRS		
1. General Science	2. Civics	3. Geography
4. Current Events	5. History	6. Basic Computer Operations

2. MATHEMATICS			
1. Ratio and Proportion	2. Average	3. LCM & HCF	4. Profit and Loss
5. Time, Distance and Speed	6. Percentage	7. Simplifications of Numbers	8. Fractions
9. Area of triangle, Square and Rectangle	10. Surface Area and volume of Cuboids, Cylinder, Cone and Sphere	11. Probability	12. Simple Trigonometry

3. REASONING (Verbal and Non-Verbal)			
1. Numerical series	2. Distance and Direction sense Test	3. Mathematical Operations	4. Number, Ranking & Time Sequence Test
5. Assign Artificial Values to Mathematical Digit	6. Inserting Correct Mathematical sign.	7. Human relation.	8. Coding & Decoding
9. Odd man out	10. Mutual relation problems	11. Tallest, youngest relations	12. Dictionary words
13. Analogy	14. Non-Verbal reasoning	15. Number coding	16. Number Puzzle