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Dear Candidates, We are providing the Latest Syllabus & Exam Pattern for the Indian Air Force Group X and Y Airmen 2017 which helps you to prepare for your Exam.

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

Indian Air Force Group X and Y Airmen Exam Pattern & Syllabus

Sequence Of Examination

Phase - I

Online Test {For both Group ' X' Trades (except Education Instructor Trade)} & Group Y' {except Automobile Technician, GTI, IAF(P), IAF(S) and Musician Trades}.

Details of the Test are as follows: -

(a) Group 'X' Trades. :

Duration of the Online test will be 60 minutes and will comprise of English, Physics and Mathematics as per 10+2 CBSE syllabus.

(b) Group 'Y' {Except Automobile Technician, GTI, IAF (P), IAF(S) and Musician} Trades. :

Duration of the Online test will be 45 minutes and will comprise of English as per 10+2 CBSE syllabus and Reasoning & General Awareness (RAGA).

(c) Both Group 'X&Y' Trades :

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

Phase – II

It Consist of Various Document Verification & Other Process (Test) which are describe below :-

All the Selected Candidates have to report at the stipulated date and time for phase – II at the designated Airmen Selection Centre along with following documents :-

- (a) Colour print out of Admit Card for phase – II.
- (b) Colour Print out of duly filled application form downloaded on completion of online registration.
- (c) HB Pencil, Eraser, Sharpener, Glue stick, Stapler and Black/Blue Ball Point Pen for writing.
- (d) Ten copies of un-attested recent (**which was used for the online application registration**) passport size colour photograph.
- (e) **Original and four self-attested photocopies of Matriculation Passing Certificate (required for verification of Candidate's Name, Father's Name and his Date of Birth).**
- (f) Original and four self-attested photocopies of Matriculation Marks Sheet (only applicable for three years Diploma Course holders when English is not a subject in Diploma Course).
- (g) Original and four self-attested photocopies of Intermediate/10+2/ Equivalent Examination Passing Certificate and Marks Sheet.

OR

Original and four self-attested photocopies of Three years Diploma Course Passing Certificate and Marks Sheets of all semesters.

(h) Certificate for SOAFP (Son of Air Force Personnel), certificate for sons of serving/retired/deceased Air Force civilian employees paid out of defence estimates are to be downloaded as the case may be, from the download section of CASB web portal and brought along while reporting for phase –II of the examination.

(j) For Candidates discharged from Indian Army/Indian Navy/Any other Government Organisation. Original and four Self-attested photocopies of Discharge Certificate (as issued from Indian Army/Indian Navy/Government Organisation).

(k) NOC in original and 4 self-attested photocopies from the employer for candidates presently serving in any government organization (if applicable).

(l) Original and four self-attested photocopies of NCC ‘A’, ‘B’ or ‘C’ certificate (if applicable).

Note: *Candidates discharged from Indian Air Force for any reason are not eligible to appear in the Selection Test.*

- **Verification of Eligibility**

Candidates should be in possession of the documents when appearing for the Selection Test which would be scrutinized /verified prior to commencement of Phase – II to ascertain the eligibility prima-facie.

Detailed verification of all the documents will be carried out in respect of candidates who pass Adaptability Test - 1.

Candidature of those who do not meet the laid down educational criteria will be rejected during Initial verification of original certificates & mark sheets and also during detailed verification at Airmen Selection Centre (ASC).

- **Physical Fitness Test (PFT)**

Candidates who pass Online Test and are shortlisted as per merit which will be displayed on the CASB Web Portal www.airmenselection.cdac.in on a stipulated date will be called at designated Airmen Selection Centre for Physical Fitness Test (PFT) which would consist of 1.6 Km run to be completed within 06 minutes and 30 seconds. Candidates will also have to complete 10 push-ups,

10 sit-ups and 20 squats within the stipulated time to qualify in the Physical Fitness Test.

Note: *Candidates are advised to bring their sports shoes and shorts/Track pants.*

- **Adaptability Test-1 (For both Group 'X' & Group 'Y' Trades)**

All candidates who pass the Physical Fitness Test (PFT) will have to undertake Adaptability Test-1 (objective type written test) which is to assess suitability of a candidate for employment in the IAF which involves deployment in varied geographic terrain, weather and operational conditions.

- **Adaptability Test-2 (For both Group 'X' & Group 'Y' Trades).**

All candidates who pass Adaptability Test -1 will have to undertake Adaptability Test-2 as per policy in vogue. Adaptability Test-2 is to select candidates who can adapt to the environment of Indian Air Force and are able to adjust to the military way of life.

Note: *Candidates qualifying for both Group X and Group Y will be allotted the group according to their merit as well as preference given by the candidate at the time of filling up of online application. However, President, CASB reserves the right to allocate Group to a candidate as per vacancies available.*

Phase – III

- **Medical Examination.**

Candidates who qualify Adaptability Test-2 will be issued with medical appointment letter at respective ASCs.

Medical Examination will be conducted by Air Force Medical Team as per IAF medical standards and policy in vogue on subject issue. Medical examination would also include Baseline Investigation of:-

(a) Blood Haemogram - Hb, TLC, DLC

(b) Urine RE/ME

(c) Biochemistry -:

(i) Blood Sugar Fasting & PP

(ii) Serum Cholesterol

(iii) Urea, Uric acid, Creatinine

(iv) LFT—Serum Bilurubin, SGOT, SGPT

(d) X- Ray chest (PA view)

(e) ECG (R)

Note. Candidates are advised to get tartar and stains removed from their teeth before appearing for the Medical Examination. Ears should be free of wax. Candidates should be prepared to stay for the medical test for four to five days under their own arrangement. No TA/DA will be admissible. Candidates using corrective glasses must be in possession of prescription from ophthalmologist bearing stamp and registration number and should not be more than one month old. Passing in the medicals is not a guarantee for the employment in Indian Air Force.

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

Reasoning

- Number Series.
- Non-Verbal Series.
- Coding-Decoding.
- Directions.
- Number Ranking.
- Alphabet Series.
- Arithmetical Reasoning.
- Analogy.
- Decision Making.
- Blood Relations.
- Clocks & Calendars.
- Mirror Images.
- Cubes and Dice.
- Embedded Figures etc

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 Air Force Group X and Y Airmen 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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