Air Force Agniveer Vayu Syllabus 2025 – Download PDF Now

Air Force Agniveer Vayu Selection Process (Short Info):

Air Force Agniveer Vayu Selection Process will be based on an Online Test followed by a Physical Fitness Test (PFT). For candidates opting **Science Subjects**, the online test will be of **60 minutes**, covering **Physics, Mathematics, and English** as per the **10+2 CBSE syllabus**. For those opting **Other than Science Subjects**, the test will be of **45 minutes**, covering **English and Reasoning & General Awareness (RAGA)**. Candidates opting for **both groups** will appear for an **85-minute** test covering **all four subjects**. Candidates qualifying the online test will undergo a **Physical Fitness Test (PFT)**, which includes a **1.6 km run in 6 minutes 30 seconds**, **10 push-ups**, **10 sit-ups**, and **20 squats**.

1. Online Test

Science Subjects
Duration: 60 minutes
Subjects: Physics, Mathematics & English (10+2 CBSE syllabus)

Other than Science Subjects
Duration: 45 minutes
Subjects: English (10+2 CBSE syllabus) & Reasoning and General Awareness (RAGA)

Both Groups
Duration: 85 minutes
Subjects: Physics, Mathematics, English & RAGA (10+2 CBSE syllabus)

2. Physical Fitness Test (PFT)

Candidates qualifying the online test will appear for PFT, which includes:
💪 20 Squats
🏃 1.6 km Run in 6 minutes 30 seconds
🔁 10 Push-ups
♂ 10 Sit-ups

Air Force Agniveer Vayu Physical Test 2025

◆ Height

For Male candidates	162 cms
For Female candidates	152 cms.
For candidates belonging to the North East or hilly regions of Uttarakhand	147 cms
In case of candidates from Lakshadweep	150 cms

◆ Chest

For Male Candidates	77 cms – 83 cms.

Air Force Agniveer Vayu Physical Fitness Test (PFT)

◆ Male Candidates

1.6 Km Running	7 Minute
10 Push-ups	1 minute
10 Sit-ups	1 minute
20 Squats	1 minute

◆ Female Candidates

1.6 Km Running	8 Minute
10 Sit-ups	1 minute and 30 seconds
15 Squats	1 minute

Air Force Agniveer Vayu Exam Pattern 2025

English Written Test

Subject	Questions	Time
English	30	30 minutes

Marking Pattern for Written Test (Objective):-
  ◆ One mark for every correct answer. Nil (0) mark for un-attempted question.
  ◆ There is no negative marking for wrong answers. Nil (0) mark for giving more than one answer to a question

Air Force Agniveer Vayu Syllabus 2025

The **Air Force Agniveer Vayu Syllabus 2025** is divided into three groups – **Science Group**, **Non-Science Group**, and **Both Groups**. The syllabus includes subjects like **Physics, Mathematics, English, Reasoning, and General Awareness**.

The exam will be conducted in an online CBT format. Candidates can download the **official syllabus PDF** and check section-wise topics and marking scheme to start their preparation effectively.

Air Force Agniveer Vayu Syllabus 2025: English

- Vocabulary
- Sentence Structure
- Synonyms and their correct usage
- Antonyms and their correct usage
- Spot the Error
- Fill in the Blanks
- Spellings/ Detecting mis-spelt words
- Idioms & Phrases
- One word substitution
- Improvement of Sentences
- Active/ Passive Voice of Verbs
- Conversion into Direct/ Indirect narration
- Shuffling of Sentence parts
- Shuffling of Sentences in a Passage
- Cloze Passage
- Comprehension Passage

Air Force Agniveer Vayu Syllabus 2025: Physics

- Physical world and measurement
- Kinematics
- Laws of motion
- Work, energy, and power
- Motion ofa system of particles & rigid body
- Gravitation
- Properties of Bulk Matter
- Thermodynamics
- Behaviour of Perfect Gases and Kinetic Theory of Gases
- Oscillations and Waves
- Electrostatic
- Current electricity
- Magnetic effect of current and magnetism
- Electromagnetic induction and alternating current
- Electromagnetic Waves
- Optics
- Dual nature of matter and radiation

- Atomic nucleus
- Electronic Devices

Air Force Agniveer Vayu Syllabus 2025: <mark>Mathematics</mark>

- Sets relations and functions
- Trigonometric functions
- Inverse Trigonometric Functions
- Complex Numbers and Quadratic Equations
- Linear Inequalities
- Permutations and Combinations
- Binomial Theorem
- Sequences and Series
- Straight Lines and family of lines
- Circles and the family of Circles
- Conic Sections
- Three-dimensional Geometry
- Matrices and Determinants
- Limit and Continuity
- Dierentiation
- Application of Derivatives
- Indefinite Integrals
- Denite Integrals
- Application of Integrals
- Differential Equations
- Differential Equations
- Vectors
- Probability
- Statistics

Reasoning & General Awareness (RAGA)

- Reasoning (Verbal and Non-Verbal)
- Numerical Series
- Distance and Direction Sense Test
- Mathematical Operations (Assigning Value to Arithmetic Signs)
- Number Ranking & Time Sequence Test
- Assign Artificial Values to Mathematical Digit
- Inserting Correct Mathematical Signs
- Human Relation
- Coding and Decoding
- Odd Man Out
- Mutual Relation Problem
- Tallest, Youngest Relation
- Dictionary Words
- Analogy

- Non-Verbal Reasoning.
- Number Coding.
- Number Puzzle.

Mathematics

- Ratio and Proportion.
- Average.
- LCM & HCF.
- Prot and Loss.
- Time, Distance and Speed.
- Percentage.
- Simplications of Numbers.
- Fractions.
- Area of triangle, Square and Rectangle.
- Surface Area and volume of Cuboids, Cylinder, Cone and Sphere.
- Probability.
- Simple Trigonometry

General Knowledge and Current Affairs

- General Science
- Civics
- Geography
- Current Events
- History
- Basic Computer Operations