

Aadda:





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## agneepath airforce exam pattern

by - Sahil Tiwari

Name of the Group	Subject & No. of Questions	Total Marks	<b>Exam Duration</b>
Airmen Science	English:20 Questions Mathematics:25 Questions Physics: 25 Questions	70 marks	60 minutes
Airmen Other than Science	Reasoning & General Awareness:30 Questions English: 20 Questions	50 marks	45 minutes
Airmen Science & Other th an Science	Mathematics: 25 Questions English:20 marks Reasoning & General Awareness:30 Questions Physics: 25 Questions	100 marks	85 minutes



There will be negative marking. For each correct answer, a candidate will be given 1 mark while for each wrong answer 0.25 mark will be deducted.

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**Comprehension Section of English** 

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- It will include a passage which is followed by some questions from Grammar Section of English. It will include the following sub-topics:
- •Word Formation (nouns from verbs, adjectives, etc.)
- •Proposition
- •Determiners
- •Noun & Pronoun
- •Conjunction
- •Adverb
- •Modals
- •Clauses (noun, adverb & relative clauses)
- •Subject-verb concord

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Verb formation and error in their use
Sentence transformation (simple, negative, compound, complex, etc.)

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**Vocabulary Section of English** 

This section will include the following topics:

- One-word substitution
- Synonyms
- Antonyms
- Spelling errors
- Idioms and phrases

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•3-Dimensional geometry

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- •Application of derivatives
- •Application of integrals
- •Binomial Theorem
- •Cartesian system of rectangular coordinates •Matrices and Determinants
- •Circles and family of circles
- •Complex numbers
- •Conic sections
- •Definite and Indefinite integrals
- •Differential equations
- •Differentiation
- •Limit and continuity

- •Linear Equations
- •Linear programming
- •Mathematical induction
- •Mathematical reasoning
- •Permutation and Combination
- •Probability
- •Quadratic equations
- •Sequence and series
- •Sets, relations, and functions
- •Statistics
- •Straight lines and family of lines

•Trigonometric & Inverse Trigonometric functions

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•Vector

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- •Laws of motion
- Communication System
- •Trigonometric & Inverse Trigonometric functions

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- •Sets, relations, and functions
- •Electronic devices
- •Optics
- •Sequence and series
- •Kinematics
- •Waves and Oscillations
- •Physical-world and measurement

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•The behaviour of perfect gases and the kinetic theory of gases & Atoms and Nuclei

- •Bulk matter properties
- •Magnetism and Magnetic effects of current
- •Radiation and Dual nature of matter
- •Electromagnetic Waves
- •Straight lines and family of lines
- •Vector
- •Work, Power, and Energy
- •Electromagnetic induction and Alternating current
- •Electrostatics & Current Electricity
- •The motion of a system of particles and rigid body

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- •Thermodynamics
- Gravitation & Statistics



- •Distance and Direction
- •Number Simplification
- •Area of triangle, square and rectangle

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- •Coding and Decoding
- •Analogy & Odd one out
- •Blood relations
- •Number Puzzle and coding
- •Non-verbal reasoning
- •Percentage
- •Inserting correct mathematical sign

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- •Fractions & Probability
- •Assigning artificial values to mathematical digit sphere

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- •Average
- •Ratio & Proportion
- •Simple Trigonometry
- •Time, Speed and Distance
- •Dictionary words
- •Profit and loss
- •Number Series
- •Mathematical Operations & Mutual relation problem
- •Youngest, tallest relation-based questions
- •Time sequence, Number and Ranking
- •Volume & Surface area of cone, cylinder, cuboid, and

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- •Current Affairs
- •General Science
- •Geography
- •History
- •Basic Computer Operations
- •Civics

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