



Aeronautical Engineering & Research Organization

AERO-CET
2023

AEROCET Syllabus-2023

| Sr.No | Physics |
|-------|---|
| 1 | Electric Charges and Fields |
| 2 | Electrostatic Potential and Capacitance |
| 3 | Current Electricity |
| 4 | Moving Charges and Magnetism |
| 5 | Magnetism and Matter |
| 6 | Electromagnetic Induction |
| 7 | Alternating Current |
| 8 | Electromagnetic Waves |
| 9 | Ray Optics and Optical Instruments |
| 10 | Wave Optics |
| 11 | Dual Nature of Radiation and Matter |
| 12 | Atoms |
| 13 | Nuclei |
| 14 | Semiconductor Electronics: Materials, Devices and Simple Circuits |
| 15 | Communication Systems |
| | Chemistry |
| 1 | The Solid State |
| 2 | Solutions |
| 3 | Electrochemistry |
| 4 | Chemical Kinetics |
| 5 | Surface Chemistry |
| 6 | General Principles and Processes of Isolation of Elements |
| 7 | The p-Block Elements |
| 8 | The d-and f-Block Elements |
| 9 | Coordination Compounds |
| 10 | Haloalkanes and Haloarenes |
| 11 | Alcohols, Phenols and Ethers |
| 12 | Aldehydes, Ketones and Carboxylic Acids |
| 13 | Amines |
| 14 | Biomolecules |
| 15 | Polymers |
| | Mathematics |
| 1 | Relations |
| 2 | Functions |
| 3 | Inverse Trigonometric Functions |
| 4 | Matrices |
| 5 | Determinants |
| 6 | Continuity |

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| 7 | Differentiability |
| 8 | Application of Derivatives |
| 9 | Integrals |
| 10 | Application of Integrals |
| 11 | Differential Equations |
| 12 | Vector Algebra |
| 13 | Three Dimensional Geometry |
| 14 | Linear Programming |
| 15 | Probability |
| | Aptitude |
| 1 | Assertion and Reason |
| 2 | Coding Decoding |
| 3 | Verification of the Truth of the Statement |
| 4 | Cause and Effect |
| 5 | Analogies |
| 6 | Blood Relations |
| 7 | Letter Series & Selecting Words |
| 8 | Verbal Classification & Analogies |
| 9 | Logical Sequence of Words, Antonyms, Synonyms |
| 10 | Cause and Effect, Idioms and Phrases |
| 11 | Analogies, Ordering of Words, Spellings |
| 12 | Letter Series & Sentence Formation |
| 13 | Change of Voice |
| 14 | Adjectives & Articles |
| 15 | Comprehension |
| | Aviation Affairs |
| 1 | Current Affairs |
| 2 | Aviation GK |
| 3 | Aviation Science and Technology |
| 4 | Portfolios |
| 5 | Indian Aerospace |
| 6 | International Aerospace |
| 7 | Aviation startups in india |
| 8 | Indian spacecraft |
| 9 | Airport names |
| 10 | Established years |
| 11 | Abbreviation |
| 12 | Space Agencies |
| 13 | Research and Innovation |
| 14 | Space Station |
| 15 | Aviation Traffic |