ONE PAGE SUMMARY

Competitive Exams › Defence and Paramilitary Exams › NDA / NA

Mathematics

Master Mathematics for NDA/NA Success!

DEFINITION

> Mathematics for NDA/NA involves essential concepts to solve problems efficiently. It is crucial for scoring well in competitive defence exams.

KEY CONCEPTS

Arithmetic

Focuses on basic operations like addition, subtraction, multiplication, and division.

Algebra

Involves solving equations and understanding variables to find unknowns.

Geometry

Studies shapes, sizes, and properties of figures and spaces.

Trigonometry

Deals with relationships between angles and sides of triangles.

Statistics

Involves collecting, analyzing, and interpreting numerical data.

EXAMPLES

→ Solve for x in 2x + 5 = 15.

→ Calculate the area of a triangle with base 10 and height 5.

→ Find the sine of a 30-degree angle.

MEMORY TIPS

★ Use 'SOH-CAH-TOA' for trigonometric ratios.

★ Remember 'PEMDAS' for order of operations: Parentheses, Exponents, Multiplication, Division, Addition, Subtraction.

★ Visualize geometric shapes to recall their properties.

COMMON MISTAKES

✗ Ignoring the order of operations in complex calculations.

✗ Misapplying formulas in geometry.

✗ Forgetting to simplify equations before solving.

QUICK RECAP

Focus on mastering key mathematical concepts like arithmetic, algebra, and geometry. Practice problem-solving techniques to improve speed and accuracy for the NDA/NA exams.