

**SAINIK SCHOOL NALANDA**

**SUMMER VACATION HOME WORK: 2023-24**

**CLASS XII**

**SUBJECT: MATHEMATICS BY DR OM NANDAN**

\*Solve all the problems of the following chapters in a long Exercise Book from Arihant's NDA/NA Pathfinder Guide or Last Ten Years' NDA/NA Question Bank (Chapter wise) Or Arvind's Mathematics NDA/ NA Book:

(i) Relations and Functions

(ii) Trigonometry

(iii) Matrices

**CLASS XI**

**SUBJECT: MATHEMATICS**

\*Solve all the problems of the following chapters in a long Exercise Book from RD Sharma's Mathematics Book of your Class:

(i) Sets

(ii) Relations and Functions

(iii) Complex Numbers and Quadratic Equations

**CLASS IX**

**SUBJECT: MATHEMATICS**

\*Solve all the problems of the following chapters in a long Exercise Book from RD Sharma's Mathematics Book of your Class:

(i) Number System

(ii) Exponents of Real Numbers

(iii) Rationalisation

(iv) Algebraic Identities

## **Holidays' Home Work**

**TEACHER: MR MS DE**

### **For Class XI**

- 1) To prepare a Booklet of formulas of maths of class XI.
- 2) To solve 10 questions daily from NCERT BOOK AND R D SHARMA of class XI (from ch1 to ch 6)

### **For class XII:**

- 1) To prepare a Booklet of formulas of maths of class XII.
- 2) 5 questions of different exercises from NCERT BOOK OF CLASS XII are to solve daily.
- 3) To solve NDA question papers of last 5 years.

### **For class IX:**

To solve 5 questions from NCERT BOOK OF CLASS IX daily in Holidays' Home Work Note Book.

### **CLASS X SUBJECT: MATHEMATICS**

\*Solve at least 100 problems of the following chapters in a long Exercise Book from any Reference Book of your class:

(i) Real Numbers (ii) Polynomials (iii) Pair of Linear equations in two variables (iv) Quadratic Equations

### **CLASS VIII SUBJECT: MATHEMATICS**

\*Solve at least 100 problems of the following chapters in a long Exercise Book from any Reference Book of your Class:

(i) Rational Numbers (ii) Linear Equations in one variable (iii) Understanding Quadrilaterals

### **CLASS VII SUBJECT: MATHEMATICS**

\*Solve at least 100 problems of the following chapters in a long Exercise Book from any Reference Book of your Class:

(i) Integers (ii) Fractions and Decimals (iii) Data Handlin