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## Index 6<sup>th</sup> Math

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### Chapter Name

- 1) Number Knowledge**
  - a. Revision Number Knowledge
  - b. Laws On Basic Operation of Numbers
  - c. Revising Number Types
  - d. Roman Number System
  - e. Questions on 1 to 100 numbers
  - f. Operations On Numbers
  - g. Tricks On Operations On Numbers
  - h. Understanding Estimates
- 2) Mathematical Expressions**
  - a. Numerical Expressions
  - b. Order of orders
  - c. Index Notation & Power of 10
- 3) Decimal Numbers**
  - a. Ordering Decimals
  - b. Operations on Decimals Numbers
  - c. Decimals, Fractions & Percentage

### Chapter Name

- d. Conversation of Decimals to Percentage, Fractions & vice versa.
  - e. Divisibility Test
- 4) Factors**
  - a. Common Factors
  - b. Prime Factors
  - c. Repeated Prime Factors
  - d. Highest Common Factors
  - e. Prime Factorisation
- 5) Multiples**
  - a. Common Multiples
  - b. Least Common Multiples
  - c. Finding Least Common Multiples by Prime Factorisation Method
  - d. Finding Least Common Multiples by Using Division Method
  - e. Relationship Between H.C.F and L.C.M
- 6) Units of Measurements**

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## Index 6<sup>th</sup> Math

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**Chapter Name**

**Chapter Name**

- a. Measuring Length
- b. Measuring Weight
- c. Measuring Liters
- d. Understanding Calenders

**7) Unitary Method**

**8) Geometry**

- a. Angles & types of angles
- b. Pairs of angles
- c. Triangles and Types of  
Triangles
- d. Quadrilaterals and its types
- e. Elements of Quadrilaterals

**9) Polygon and its types**

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## Index 6<sup>th</sup> Science

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### Chapter Name

- 1) Organs**
  - a) Sensory organs
  - b) Internal organs
  - c) Co ordination of the organs
  - d) Organs of the digestive system
- 2) Circulation of blood**
  - a) About circulation of blood
- 3) Energy**
  - a) Potential energy
  - b) Types of energy
  - d) Transformation of energy
  - e) Sources of energy
  - f) Bio - fuels
  - h) Solar electric cell
- 4) Simple Machines**
  - a) Necessity of machines
  - b) Care of machines
  - c) Lever & types of lever
- 5) Force**
- 6) Motion**
  - a) Types of Motion
  - b) The Laws of Motion
  - c) Derivation of Newton's second law of motion
  - d) Application of laws of motion

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- 7) Matter**
  - a) Three states of matter
  - b) Changing the state of matter
  - c) Behavior of matter
  - d) Physical change
  - e) Chemical change
- 8) Magnetism**
  - a) Things to know about magnetism
  - b) Characteristics of magnets
  - c) Uses of magnets
- 9) Light**
  - a) Laws of reflection of light
  - b) Types of reflection
  - c) Types of mirror
  - d) Focus points of (F) of a concave mirror
  - e) Uses of spherical mirror
  - f) Propagation of light
- 10) Health & Disease**
  - a) Type of diseases & prevention
- 11) Hygiene**

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## Index 6<sup>th</sup> Aptitude

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### Chapter Name

- 1) Comprehension**
  - a) Alphabet series
  - b) Sign series
  - c) Comprehension by information
  - d) Logical Sequence of word
  - e) Digit & number series
- 2) Classification**
  - a) Classification of words & alphabets
  - b) Classification of numbers
  - c) Classification of figure
- 3) Series / sequence**
  - a) Number series
  - b) Figure series
  - c) Sign series
  - d) Alphabet series
  - e) Find the wrong term
- 4) Logical reasoning & figure analysis**
  - a) Verbal**
    - i) Relationship
    - ii) Direction
    - iii) Comparison
    - iv) Analysis/Tabulation
    - v) Age
    - vi) Calender
    - vii) Statement and assumption

### Chapter Name

- b) Non Verbal**
  - i) Completing the figure
  - ii) Mirror image
  - iii) Reflection
- 5) Analogy**
  - a) Word similarity
  - b) Letter similarity
  - c) Number similarity
  - d) Figure similarity
- 6) Code Language**
  - a) Use of numbers in place of letters
  - b) Mix Letter Coding
  - c) Mix Number Coding
- 7) Term matching the group**
  - a) Figures matching the group
  - b) Number matching the group
  - c) Word matching the group
- 8) Puzzle Questions**
  - a) Place in row
  - b) Venn diagram
  - c) Number coding square, circle and figure
  - d) Cube
  - e) Pyramid