

---

# Contents

---

## Mathematics

### Unit-I

|   |       |
|---|-------|
| 1. Numbers .....                            | 3-9   |
| 2. Surds and Indices .....                  | 10-12 |
| 3. Basic Operations and Factorization ..... | 13-16 |
| 4. Linear Equations .....                   | 17-21 |
| 5. Arithmetic Progression .....             | 22-25 |
| 6. Geometric Progression .....              | 26-29 |

### Unit-II

|  |       |
|--|-------|
| 1. Simple Interest .....                             | 30-35 |
| 2. Compound Interest .....                           | 36-43 |
| 3. Profit and Loss .....                             | 44-49 |
| 4. Ratio, Proportion and Proportional Division ..... | 50-55 |
| 5. Partnership .....                                 | 56-60 |
| 6. Percentage .....                                  | 61-65 |
| 7. Time and Distance .....                           | 66-73 |

### Unit-III

|                           |       |
|---------------------------|-------|
| 1. Lines and Angles ..... | 74-77 |
| 2. Triangles .....        | 78-83 |
| 3. Quadrilaterals .....   | 84-87 |
| 4. Circles .....          | 88-93 |

### Unit-IV

|                            |         |
|----------------------------|---------|
| 1. Area .....              | 94-102  |
| 2. Cuboid and Cube .....   | 103-107 |
| 3. Cylinder and Cone ..... | 108-113 |

**Unit-V**

|  |         |
|--|---------|
| 1. Collection and Tabulation .....               | 114-115 |
| 2. Graphical Representation .....                | 116-123 |
| 3. Frequency Distribution, Mean and Median ..... | 124-128 |

**Science**

|   |         |
|---|---------|
| Living Being, Human Body and Health .....         | 3-47    |
| Force, Motion and Heat .....                      | 48-61   |
| Light, Sound and Magnets .....                    | 62-79   |
| Electricity and Science & Technology .....        | 80-110  |
| Structure of Matter and Chemical Substances ..... | 111-128 |

---