

## NCERT Class 10th Complete Guide

This detailed guide for NCERT Class 10th includes all textbooks, chapter-wise syllabus, marks distribution, study strategies, and exam preparation tips. Designed to assist students for academic excellence and board readiness.

### 1. NCERT Class 10 Books

Subjects and books included in Class 10 NCERT curriculum:

- 1. Mathematics
- 2. Science
- 3. English (First Flight and Footprints without Feet - Supplementary)
- 4. Hindi (Kshitij, Kritika, Sanchayan, Sparsh)
- 5. Social Science (History - India and the Contemporary World – II, Geography - Contemporary India – II, Civics - Democratic Politics – II, Economics)
- 6. Sanskrit (Shemushi, Vyakaranavithi)

### 2. Chapter-wise Syllabus with Marks Distribution

#### 1. Mathematics

- Real Numbers - 6 Marks
- Polynomials - 6 Marks
- Pair of Linear Equations in Two Variables - 8 Marks
- Quadratic Equations - 7 Marks
- Arithmetic Progressions - 5 Marks
- Triangles - 8 Marks
- Coordinate Geometry - 6 Marks
- Introduction to Trigonometry - 6 Marks
- Some Applications of Trigonometry - 6 Marks
- Circles - 4 Marks
- Constructions - 4 Marks
- Areas Related to Circles - 6 Marks
- Surface Areas and Volumes - 6 Marks
- Statistics - 6 Marks
- Probability - 4 Marks

#### 2. Science

- Chemical Reactions and Equations - 5 Marks
- Acids, Bases and Salts - 6 Marks
- Metals and Non-Metals - 6 Marks
- Carbon and its Compounds - 6 Marks
- Periodic Classification of Elements - 5 Marks

- Life Processes - 7 Marks
- Control and Coordination - 6 Marks
- How do Organisms Reproduce? - 6 Marks
- Heredity and Evolution - 6 Marks
- Light – Reflection and Refraction - 7 Marks
- The Human Eye and the Colourful World - 5 Marks
- Electricity - 7 Marks
- Magnetic Effects of Electric Current - 6 Marks
- Sources of Energy - 3 Marks
- Our Environment - 3 Marks
- Management of Natural Resources - 3 Marks

### 3. Social Science

- History: The Rise of Nationalism in Europe - 6 Marks
- Nationalism in India - 6 Marks
- The Making of a Global World - 6 Marks
- The Age of Industrialisation - 6 Marks
- Print Culture and the Modern World - 6 Marks
- Geography: Resources and Development - 6 Marks
- Forest and Wildlife Resources - 4 Marks
- Water Resources - 5 Marks
- Agriculture - 6 Marks
- Minerals and Energy Resources - 6 Marks
- Manufacturing Industries - 6 Marks
- Lifelines of National Economy - 5 Marks
- Civics: Power Sharing - 4 Marks
- Federalism - 4 Marks
- Gender, Religion and Caste - 4 Marks
- Political Parties - 5 Marks
- Outcomes of Democracy - 5 Marks
- Economics: Development - 5 Marks
- Sectors of the Indian Economy - 5 Marks
- Money and Credit - 5 Marks
- Globalisation and the Indian Economy - 5 Marks
- Consumer Rights - 4 Marks

### 3. Overall Marks Distribution

- Each subject: Total 100 Marks
- Written Exam: 80 Marks
- Internal Assessment: 20 Marks

Science and Social Science each have detailed chapter-wise marking.  
Math chapters contribute to 80 marks cumulatively.

#### **4. Study Tips and Exam Preparation**

1. Complete the NCERT textbooks thoroughly and solve all in-text and end questions.
2. Practice Maths problems daily to improve speed and accuracy.
3. Revise Science diagrams, definitions, and derivations frequently.
4. Use flowcharts and timelines to simplify Social Science chapters.
5. Focus on grammar, comprehension, and writing practice in English and Hindi.
6. Maintain separate notes for formulas, definitions, and important points.
7. Attempt mock tests and sample papers under exam conditions.
8. Analyze previous year papers to understand trends in board exams.