

# High-Weightage Chapters for ICSE Class 10 (Passing Strategy)

## 1. Mathematics (Theory: 80 Marks)

Chapter/Unit	Approximate Weightage	Why Focus Here for Passing?
<b>Algebra</b> (Quadratic Eqns, AP/GP, Matrices)	<b>20–25% (approx. 16–20 Marks)</b>	Highest weightage unit. Focus on routine problem-solving (Quadratic Formula, AP/GP sums), which are highly repetitive.
<b>Commercial Mathematics</b> (GST, Banking, Shares)	<b>13 Marks</b>	Direct, formula-based questions. Mastering these few concepts guarantees nearly a passing mark alone.
<b>Statistics</b> (Mean, Median, Mode, Histograms, Ogive)	<b>8–15% (approx. 6–12 Marks)</b>	Scoring chapter with defined steps. Practice drawing the <b>Ogive</b> and calculating the <b>Median/Mode</b> graphically.
<b>Mensuration</b> (Volume/Area of Solids)	<b>8 Marks</b>	Focus on just the standard formulas for Cylinder, Cone, and Sphere.

## 2. Science - Physics (Theory: 80 Marks)

Chapter/Unit	Approximate Weightage	Why Focus Here for Passing?
<b>Light</b> (Refraction, Lenses, Total Internal Reflection)	<b>20–25% (approx. 16–20 Marks)</b>	Highest weightage. Focus on clear <b>Ray Diagrams</b> and the definitions/conditions for Total Internal Reflection.
<b>Electricity &amp; Magnetism</b> (Ohm's Law, Circuits, Household Wiring)	<b>20–24% (approx. 16–19 Marks)</b>	Essential. Master <b>Ohm's Law</b> and basic series/parallel circuit problems. Learn the logic behind <b>Household Circuits</b> (fuses, earthing, color codes).
<b>Force, Work, Power, and Energy</b>	<b>19–25 Marks</b>	Focus on the basic definitions, units, and simple numerical problems related to <b>Work/Energy/Power</b> and the <b>Principle of Conservation of Energy</b> .

## 3. Science - Chemistry (Theory: 80 Marks)

Chapter/Unit	Approximate Weightage	Why Focus Here for Passing?
<b>Study of Compounds</b> (HCl, Ammonia, Nitric Acid, Sulphuric Acid)	<b>Up to 20 Marks</b>	Very high weightage. Focus on the preparation methods (diagrams), and the <b>tests for identification</b> of the gases/acids.
<b>Mole Concept and Stoichiometry</b>	<b>10–12 Marks</b>	While challenging, simple calculations based on chemical equations and finding <b>Vapour Density (VD)</b> or <b>Relative Molecular Mass (RMM)</b> are often asked and are essential for scoring.

Chapter/Unit	Approximate Weightage	Why Focus Here for Passing?
Periodic Properties	8–10 Marks	Mostly <b>reasoning and conceptual questions</b> . Focus on trends (Atomic size, Electronegativity, Ionization Potential) across a period and down a group.

#### 4. Science - **Biology** (Theory: 80 Marks)

Chapter/Unit	Approximate Weightage	Why Focus Here for Passing?
The Nervous System	Up to 16 Marks	Very high weightage. Focus on <b>Diagrams</b> (neuron, reflex arc) and clear functions of the major parts of the Brain/Spinal Cord.
Photosynthesis	Up to 13 Marks	Crucial chapter. Master the balanced equation, and the key <b>Experiments</b> (need for light, $\text{CO}_2$ , and Chlorophyll).
Genetics (Mendel's Laws)	Up to 13 Marks	Focus on the core terms (Genotype, Phenotype, Homozygous, Heterozygous) and solving simple <b>Monohybrid Crosses</b> .

#### 5. Social Science (History, Civics, Geography)

Social Science has 2 main papers (History/Civics and Geography), each with 80 Marks Theory.

**A. History** (Section B) accounts for **50 Marks** of the paper, where you typically attempt three 10-mark questions out of five options.

Chapter/Unit	Approximate Weightage	Why Focus Here for Passing?
The First War of Independence (1857)	10 Marks	Highly important and predictable. Focus on the main causes (political, social, military) and the immediate effects.
The Gandhian Era (Non-Cooperation, Civil Disobedience, Quit India)	10 Marks	This is the most crucial part of the National Movement. Focus on the <b>objectives, methods, and outcomes</b> of the three major movements.
The Contemporary World: United Nations (UNO)	10 Marks	This is a highly scoring and factual unit. Focus on the <b>Structure, Functions, and working</b> of the 5 main organs (especially the General Assembly and Security Council) and key agencies (UNESCO, WHO).

#### B. **Civics** (Compulsory: 30 Marks)

Focus here on **Part I (Compulsory 30 Marks)** and choose the two most comfortable chapters in Section A.

Chapter/Unit	Approximate Weightage	Why Focus Here for Passing?
--------------	-----------------------	-----------------------------

Chapter/Unit	Approximate Weightage	Why Focus Here for Passing?
<b>Union Legislature</b> (Parliament, Lok Sabha, Rajya Sabha)	<b>10 Marks</b>	Highly structured topic. Focus on composition, powers, and the legislative procedure.
<b>The Supreme Court</b>	<b>10 Marks</b>	Focus on Jurisdiction (Original, Appellate, Advisory) and Judicial Review.

### C. **Geography** (Compulsory Map Work + Optional Section B)

Chapter/Unit	Approximate Weightage	Why Focus Here for Passing?
<b>Topographical Map Interpretation (Part I)</b>	<b>10 Marks (Compulsory)</b>	High score guarantee. Master the rules for identifying <b>relief, drainage, settlement patterns, and conventional signs.</b>
<b>Outline Map of India (Part I)</b>	<b>10 Marks (Compulsory)</b>	Master the location of the <b>major mountains, rivers, and cities</b> , as these are predictable.
<b>Climate and Soil Resources (Part II)</b>	<b>Approx. 6–8 Marks each</b>	These are conceptual and definition-based chapters that are easier to retain than complex industries/agriculture details.

**"The secret to clearing the exam is not studying harder on everything, but studying *smarter* on the essentials. Master the weightage, guarantee the pass."**

**Wisdom Tutorials®**