

# Entrance Exam Class-7<sup>th</sup>

## 1) HINDI (हिंदी) – Syllabus

### A) व्याकरण (Grammar)

- उपसर्ग: अर्थ, पहचान, उदाहरण (अति, प्र, अनु, निर, सु आदि)
- प्रत्यय: सामान्य प्रत्यय, शब्द-निर्माण
- विलोम शब्द: सामान्य विलोम (कम से कम 50)
- पर्यायवाची शब्द: सामान्य पर्यायवाची (कम से कम 40)
- अनेक शब्दों के लिए एक शब्द (One word substitution)
- शुद्ध वाक्य / अशुद्धि सुधार: लिंग, वचन, काल, क्रिया-रूप, वाक्य-शुद्धि
- मुहावरे: अर्थ व वाक्य-प्रयोग (20–25)

### B) शब्दार्थ व भाषा-ज्ञान

- कठिन शब्दों के अर्थ, सही विकल्प चुनना
- वाक्य समझकर सही विकल्प चुनना

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## 2) ENGLISH — Syllabus

### A) Grammar

- Tenses: Present / Past (simple, continuous, perfect – basics)
- Subject–Verb Agreement
- Parts of Speech: Noun, Pronoun, Verb, Adjective, Adverb, Preposition, Conjunction
- Active & Passive Voice (simple present/past focus)
- Direct & Indirect Speech (basic reporting)

### B) Vocabulary

- Synonyms & Antonyms
- Common words usage (confusing words: too/two, their/there, etc.)
- Sentence correctness (error spotting type)

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## 3) MATHS — Syllabus

### A) Number & Operations

- Fractions: fraction of a quantity, simplification, basic operations
- Exponents (Powers):  $2^n$ ,  $3^n$  type, rules (basic)

### B) Algebra

- Linear Equations in one variable

Examples:  $ax + b = c$

### C) Commercial Maths

- Profit & Loss
- Percentage (profit %/discount % basics)

### D) Mensuration

- Area of Rectangle & Square
- Units of area, word problems (no diagram)

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## 4) SCIENCE — Syllabus

### A) Chemistry

- **Metals & Non-metals:** properties, examples
- **Physical changes:** evaporation basics

### B) Biology

- **Photosynthesis:** meaning, conditions needed, importance
- **Human circulatory system basics**
  - Heart overview
  - **Artery/Vein/Capillaries:** functions (concept based)

### C) Physics

- **Force:** meaning, effects
  - **Unit of force (Newton)** and basic understanding
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## 5) COMPUTER — Syllabus

### A) Computer Fundamentals

- **Input and Output Devices** (examples & uses)
- **CPU and its role** (brain of computer)
- **Memory:** Cache, RAM, Hard Disk (basic order + meaning)

### B) Internet

- **Web Browser:** meaning, examples (Chrome, Firefox, Edge)

### C) MS Excel / Spreadsheet Basics

- **Row & Column**
- Cells, basic spreadsheet terminology

