

# Class 5 Entrance Exam

## 1) Hindi Syllabus (Paper-Based)

### A. व्याकरण (Grammar)

- संधि
  - स्वर संधि (मुख्य रूप से)
  - संधि-विच्छेद और संधि-शब्द पहचान
- काल (Tenses in Hindi)
  - वर्तमान काल, भूतकाल, भविष्य काल
  - वाक्य में काल पहचान
- विलोम शब्द (Antonyms)
- वाच्य परिवर्तन
  - कर्तृवाच्य से कर्मवाच्य (मुख्य)
- मुहावरे
  - मुहावरों के अर्थ और सही प्रयोग (कक्षा 5 स्तर)

### Suggested Practice

- रोज़ 10 संधि/विलोम
- 5 वाक्य काल पहचान
- 5 वाच्य परिवर्तन
- 10 मुहावरे अर्थ सहित

## 2) English Syllabus (Paper-Based)

### A. Grammar

- Subject-Verb Agreement (He/She/It + does/doesn't)
- Articles: a, an, the (use of "an" with vowel sound)
- Tenses
  - Simple Present/Past/Future
  - Future Perfect (basic idea & identification)
- Prepositions: in, on, under, between, above (basic usage)

### B. Vocabulary

- Synonyms/Antonyms (basic level, common words)

### Suggested Practice

- Daily: 10 grammar MCQs
- Weekly: 30 vocabulary words (synonym + sentence)

## 3) Mathematics Syllabus (Paper-Based)

### A. Fractions & Decimals

- Addition of fractions (LCM method)
- Decimal  $\times 10/100/1000$  (like  $0.75 \times 100$ )

### B. Number System

- HCF (Highest Common Factor)

- by prime factorization / common division (basic)

#### C. Word Problems (Logical + Operations)

- Multi-step problems using division + subtraction (packets/boxes type)

#### D. Mensuration (2D)

- Perimeter of rectangle:  $2(l + b)$

#### Suggested Practice

- 10 fraction sums
  - 10 HCF questions
  - 10 word problems
  - 10 perimeter questions
- 

### 4) Science Syllabus (Paper-Based)

#### A. Plants & Life Processes

- Photosynthesis (basic concept: food making in plants)

#### B. Materials

- Mixtures and substances
  - example-based questions (air, water, iron, oxygen)

#### C. Ecosystem

- Food chain
  - producers, primary/secondary consumers

#### D. Water Cycle

- Evaporation & condensation
  - change of state (basic terms only)

#### E. Human Body

- Heart and blood circulation (heart as pump)
- Basic idea of major organs (only identification)

#### Suggested Practice

- 5 MCQs daily from each topic (plants/materials/body)
- 

### 5) Computer Syllabus (Paper-Based)

#### A. Basics of Computer

- Input/Output devices
  - mouse, keyboard, scanner (input)
  - monitor, printer, projector (output)
- Basic shortcuts
  - Ctrl+C, Ctrl+V, Ctrl+X, Ctrl+Z (meaning & use)

#### B. Cyber Safety

- Strong password rules
  - mix of letters, numbers, symbols
  - avoid common names/numbers

#### C. Logical Thinking

- Algorithm: step-by-step instructions (definition + examples)

#### Suggested Practice

- Device classification chart practice
- Shortcuts quiz
- 10 cyber safety MCQs