ARMY PUBLIC SCHOL, OAC CLASS -V (2026-27)

1. Mathematics

* Large Numbers: Numbers up to 7 and 8 digits, place value charts (Indian and International), estimation, and large-scale addition/subtraction.

* Multiplication & Division: Long multiplication, multi-digit division, and solving practical word problems.

* Factors & Multiples: Prime factorization, HCF and LCM methods, and divisibility rules (2, 3, 4, 5, 6, 9, 10, 11).

* Fractions & Decimals: Addition, subtraction, multiplication, and division of fractional numbers; introduction to decimal notation, place value, and converting fractions to decimals.

* Percentage & Average: Basic understanding of percentages, calculating percentages of quantities, and finding the average of a dataset.

* Geometry: Types of angles (acute, right, obtuse, straight), drawing angles using a protractor, nets of 3D shapes, and basic circle vocabulary (radius, diameter).

* Perimeter, Area, & Volume: Area and perimeter formulas for regular shapes; introduction to volume (cube and cuboid).

* Data Handling: Drawing and reading circle graphs (pie charts), line graphs, and bar graphs.

2. English

* Literature: Prose comprehension, poetry appreciation, and thematic analysis of stories (e.g., character mapping, core values).

* Grammar:

  • Nouns & Pronouns: Abstract/Concrete nouns, relative pronouns, and subjective/objective case usage.

  • Verbs & Adverbs: Transitive and intransitive verbs, subject-verb agreement, and adverbs of time, place, manner, and frequency.

  • Tenses: Perfect tenses (Present Perfect, Past Perfect) alongside continuous forms.

  • Prepositions & Conjunctions: Identifying complex prepositions and coordinating/subordinating conjunctions.

* Writing Skills: Formal and informal letters, dialogue completion, short essay/story writing, and notice writing.

3. Hindi (हिन्दी)

* साहित्य (Literature): प्रसिद्ध कवियों और लेखकों की कहानियाँ और कविताएँ (जैसे पाठ्यपुस्तक गुंजन या सारंगी से) जो वैचारिक क्षमता का विकास करती हैं।

* व्याकरण (Grammar):

  • संज्ञा, सर्वनाम, विशेषण, क्रिया और क्रिया-विशेषण की विस्तृत पहचान।

  • कारक (Cases) और उनके चिन्ह (परसर्ग)।

• संधि (मूल स्वर संधि की समझ), विराम-चिन्ह, विलोम, पर्यायवाची, और अनेकार्थी शब्द।

• मुहावरे और लोकोक्तियाँ (Idioms and proverbs)।

* लेखन (Composition): पत्र लेखन (औपचारिक/अनौपचारिक), कहानी लेखन, निबंध/अनुच्छेद लेखन, और अपठित काव्यांश/गद्यांश।

4. Environmental Studies (EVS)

* Human Systems & Health: The nervous system, circulatory system, disease transmission (communicable vs. non-communicable), deficiency diseases, and essential nutrients.

* Natural Resources & Conservation: Fossil fuels (coal, petroleum), renewable vs. non-renewable energy resources, and water conservation practices.

* Forests & Wildlife: Dependence of tribal communities on forests, wildlife protection acts, national parks, and endangered species.

* Earth & Beyond: Simple machines, force, work and energy concepts, natural disasters (earthquakes, floods, tsunamis) and disaster management, and historical space missions.

5. Computer Science

* Evolution of Computers: History of computers and generations of computing devices.

* Advanced Applications: Introduction to advanced formatting features in Microsoft Word, working with tables and objects.

* Presentation Software: Creating and formatting slides in Microsoft PowerPoint, adding animation, transitions, and audio elements.

* Coding & Logic: Basic algorithms, introductory block programming (such as Scratch or basic AI modules), and safe internet browsing habits.