



**ARMY PUBLIC SCHOOL, BIRPUR, DEHRADUN**  
**ENTRANCE EXAMINATION SYLLABUS FOR SESSION 2024 – 2025**

**CLASS II**

**MATHEMATICS:** Addition and subtraction (2 digit), Number names (till 100), Ascending and descending order, Place value, Greater and Smaller than, Tables (2 to 10), Time, Word Problems (Addition and subtraction)

**ENGLISH :** Naming words, Describing Words, Doing words, Prepositions, Use of -This, That, These, Those, he, she, Articles, Opposites, One-Many, Genders, composition

**HINDI:** वर्णमाला, मात्राएँ, वचन, लिंग, विलोम शब्द, संज्ञा, सर्वनाम, क्रिया, लिंग, अनुच्छेद लेखन



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**CLASS III**

**MATHEMATICS:** Addition and subtraction (3 digits), Number names (till 200), Ascending and descending order, Place value, Greater and Smaller than, Tables (2 to 10), Time, Word Problems (Addition and subtraction), Pattern, Weight, Length

**ENGLISH :** Naming words, Pronoun, Describing words, Doing words, Prepositions, conjunctions, Use of –is/am/are/was/were, Articles, Opposites, One-Many, Genders, composition

**HINDI:** मात्राएँ, वचन, विलोम शब्द, समान अर्थ वाले शब्द, संज्ञा, सर्वनाम, विशेषण, क्रिया, लिंग, गिनती (१ से २०), दिनों व महीनों के नाम, अनुच्छेद लेखन



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**CLASS IV**

**MATHEMATICS**: Addition and subtraction (4 digits), Number names (till 500), Ascending and descending order, Place value, Fraction, weight, Length, Capacity, Expanded and compact form, Division, Multiplication, Tables ( 2 to 15) , Time ,Roman numerals, money, Word Problems

**ENGLISH** : Noun, Pronoun, Verb, Adverb, Adjectives, Prepositions, Conjunctions, Interjections, Articles, Antonyms, Synonyms, Genders, composition, leave application

**HINDI**: मात्राएँ, वचन, विलोम शब्द, समान अर्थ वाले शब्द, संज्ञा, सर्वनाम, विशेषण, क्रिया, लिंग, वाक्यांशों के लिए एक शब्द, अनुच्छेद लेखन, अनौपचारिक पत्र



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**CLASS V**

**MATHEMATICS**: Addition, subtraction, Roman Numerals, Prime Numbers ,Area, Fraction, Distance, Time, weight, Length, Capacity, Expanded and compact form, Division, Multiplication, Simplification, Tables (2 to 15) , Time , Word Problems

**ENGLISH** : Noun, Pronoun, Verb, Adverb, Adjectives, Prepositions, Conjunctions, Interjections, Articles, Antonyms, Synonyms, Genders, Collective nouns, composition , leave application

**HINDI**: मात्राएँ, भाषा, वचन, विलोम शब्द, समान अर्थ वाले शब्द, संज्ञा, सर्वनाम, विशेषण, क्रिया, लिंग, वाक्यांशों के लिए एक शब्द, काल, मुहावरे, अनुच्छेद लेखन, अनौपचारिक पत्र



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**CLASS VI**

**MATHEMATICS:** Addition, subtraction , Roman Numerals, Prime Numbers ,Area, Fraction, Distance, Time, weight, Length, Capacity, Angles, LCM, HCF, Expanded and compact form, Division, Multiplication, Simplification, Time , Word Problems

**ENGLISH :** Sentences, Noun, Pronoun, Verb, Adverb, Adjectives, Prepositions, Conjunctions, Interjections, Tenses, Articles, Antonyms, Synonyms, Genders, Collective nouns, composition and letter writing (formal and informal)

**HINDI:** मात्राएँ, भाषा, वचन, विलोम शब्द, समान अर्थ वाले शब्द, संज्ञा, सर्वनाम, विशेषण, क्रिया, लिंग, वाक्यांशों के लिए एक शब्द, काल, मुहावरे, अनुच्छेद लेखन, पत्र लेखन

**SCIENCE:** Human organ systems, Human skeletal system, Muscular system, Solar system, Nutrition and deficiency diseases, Plants, Force, Work, Energy, Animals



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**CLASS : 7**

| ENGLISH                                                                                                                                                                        | HINDI                                                                                                                                                                                                                                                              | MATHEMATICS                                                                                                                                                                                                                                                                         | SCIENCE                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Unseen Passage</li><li>• Informal letter</li><li>• Parts of Speech</li><li>• Antonyms</li><li>• Synonyms</li><li>• Spellings</li></ul> | <ul style="list-style-type: none"><li>• अपठित गद्यांश</li><li>• पर्यायवाची शब्द</li><li>• विलोम शब्द</li><li>• वर्तनी शोधन</li><li>• संज्ञा</li><li>• सर्वनाम</li><li>• विशेषण</li><li>• मुहावरे</li><li>• वाक्यांशों के लिए एक शब्द</li><li>• पत्र लेखन</li></ul> | <ul style="list-style-type: none"><li>• Knowing our numbers</li><li>• Integers</li><li>• Ratio &amp; Proportion</li><li>• Decimals</li><li>• Whole Numbers</li><li>• Fractions</li><li>• Algebra</li><li>• Understanding Elementary Shapes</li><li>• Area &amp; Perimeter</li></ul> | <ul style="list-style-type: none"><li>• Ch-2. Components of Food</li><li>• Ch-5. Separation of Substances</li><li>• Ch-7. Getting to Know Plants</li><li>• Ch-8. Body Movements</li><li>• Ch-10 Measurement and Motion</li><li>• Ch-11 Light , Shadows And Reflections</li><li>• Ch-12 Electricity &amp; Circuits</li></ul> |



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**CLASS : 8**

| ENGLISH                                                                                                                                                                                         | HINDI                                                                                                                                                                                                                                                                         | MATHEMATICS                                                                                                                                                                                                                                                                                                                                                                                                       | SCIENCE                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Unseen Passage</li><li>• Informal letter</li><li>• Parts of Speech</li><li>• Tenses</li><li>• Antonyms</li><li>• Synonyms</li><li>• Spellings</li></ul> | <ul style="list-style-type: none"><li>• अपठित गद्यांश</li><li>• पर्यायवाची शब्द</li><li>• विलोम शब्द</li><li>• वाक्यगत अशुद्धि संशोधन</li><li>• संज्ञा</li><li>• सर्वनाम</li><li>• विशेषण</li><li>• मुहावरे</li><li>• वाक्यांशों के लिए एक शब्द</li><li>• पत्र लेखन</li></ul> | <ul style="list-style-type: none"><li>• Integers</li><li>• Fractions &amp; Decimals</li><li>• Data Handling</li><li>• Simple Equations</li><li>• Lines &amp; Angles</li><li>• Triangle &amp; its properties</li><li>• Congruence of triangles</li><li>• Comparing Quantities</li><li>• Rational Numbers</li><li>• Algebraic Expressions</li><li>• Exponents &amp; Powers</li><li>• Area &amp; Perimeter</li></ul> | <ul style="list-style-type: none"><li>• CH-1. Nutrition in Plants</li><li>• CH-2. Nutrition In Animals</li><li>• CH -5. Acid, Bases And Salts</li><li>• CH -6. Physical and Chemical Changes</li><li>• CH-10. Respiration in Organisms.</li><li>• CH-11. Transportation in Animals and Plants.</li><li>• CH-12. Reproduction In Plants</li></ul> |



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**CLASS : 9**

| ENGLISH                                                                                                                                                                                         | HINDI                                                                                                                                                                                                                                                                                               | MATHEMATICS                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SCIENCE                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Unseen Passage</li><li>• Informal letter</li><li>• Parts of Speech</li><li>• Tenses</li><li>• Antonyms</li><li>• Synonyms</li><li>• Spellings</li></ul> | <ul style="list-style-type: none"><li>• अपठित गद्यांश</li><li>• पर्यायवाची शब्द</li><li>• विलोम शब्द</li><li>• वाक्यगत अशुद्धि संशोधन</li><li>• संज्ञा</li><li>• सर्वनाम</li><li>• विशेषण</li><li>• विराम चिह्न</li><li>• मुहावरे</li><li>• वाक्यांशों के लिए एक शब्द</li><li>• पत्र लेखन</li></ul> | <ul style="list-style-type: none"><li>• Rational Numbers</li><li>• Linear Equation In One Variable</li><li>• Triangles</li><li>• Probability</li><li>• Cubes and Cube roots</li><li>• Profit &amp; Loss</li><li>• Discount</li><li>• Compound Interest</li><li>• Playing with Numbers</li><li>• Algebraic Expressions &amp; Identities</li><li>• Factorization</li><li>• Mensuration</li><li>• Exponents and Powers</li><li>• Direct and Inverse variation</li></ul> | <ul style="list-style-type: none"><li>• CH-2. Microorganism : Friend Or Foe</li><li>• CH-9. Reproduction In Animals</li><li>• CH-11. Force and Pressure</li><li>• CH-12. Friction</li><li>• Ch-13. Sound</li><li>• CH-14 Chemical Effects of Electric Current</li><li>• CH-16 Light</li></ul> |



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| <b>CLASS : 10</b>                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ENGLISH</b>                                                                                                                                                                                                                                             | <b>HINDI</b>                                                                                                                                                                                                                                 | <b>MATHEMATICS</b>                                                                                                                                                                                                                                                                                                                                                                                   | <b>SCIENCE</b>                                                                                                                                                                                                |
| <ul style="list-style-type: none"><li>• Unseen Passage ( Factual or Discursive )</li><li>• Descriptive Paragraph Writing</li><li>• Tenses</li><li>• Determiners</li><li>• Reported Speech</li><li>• Modal Verbs</li><li>• Subject Verb Agreement</li></ul> | <ul style="list-style-type: none"><li>• अपठित गद्यांश</li><li>• उपसर्ग</li><li>• प्रत्यय</li><li>• संधि</li><li>• अनुस्वार</li><li>• अनुनासिक</li><li>• विराम चिह्न</li><li>• वाक्य परिवर्तन (अर्थ के आधार पर)</li><li>• पत्र लेखन</li></ul> | <ul style="list-style-type: none"><li>• REAL NUMBERS</li><li>• POLYNOMIALS</li><li>• LINEAR EQUATIONS IN TWO VARIABLES</li><li>• COORDINATE GEOMETRY</li><li>• LINES AND ANGLES</li><li>• TRIANGLES</li><li>• QUADRILATERALS</li><li>• CIRCLES</li><li>• MENSURATION ( area and volumes)</li><li>• STATISTICS (Bar graphs, histograms (with varying base lengths), and frequency polygons.</li></ul> | <ul style="list-style-type: none"><li>• Atoms and Molecules</li><li>• Structure of Atom</li><li>• Force and Laws of Motion</li><li>• Sound</li><li>• The Fundamental Unit of Life</li><li>• Tissues</li></ul> |