

**ARMY PUBLIC SCHOOL BINANGURI**  
**SYLLABUS FOR ENTRANCE TEST 2024-25**  
**CLASS-IX**

**SUBJECT: MATHS**

- Square & Square root.
- Cube & cube root
- Algebraic expressions and identities
- Factorization
- Exponents and powers
- Direct and Inverse variation
- Compound Interest
- Mensuration- Perimeters & areas of triangles, different types of quadrilaterals, circle & semi circle
- Surface area & volume of cube, cuboid & cylinder

**SUBJECT: ENGLISH**

- Unseen passage –( Reading, comprehension)
- Writing task- letter (Formal )
- Diary Entry (Creative Writing)
- Notice (Creative Writing)
- Integrated Grammar
  - Reported Speech, Determiners, Active & passive Voice, Tenses.

**SUBJECT: HINDI**

- अपठित गद्यांश और पद्यांश आधारित प्रश्न ।
- पत्र- अनौपचारिक पत्र ।
- संधि (स्वर संधि), वर्ण-विच्छेद, उपसर्ग-प्रत्यय, पर्यायवाची, पद परिचय , वाक्यो भेद ।
- अनुच्छेद लेखन , नारा लेखन ।
- संवाद लेखन ।

**SUBJECT: SCIENCE**

- The microbial world
- Metals & Non-metals
- Cell: Structure & functions
- Force & Friction
- Sound
- More about light
- Synthetic fibers and plastics
- Reproduction in animals