



# THE LEAD SCHOOL & COLLEGE KOHAT

## Scholarship Test Syllabus for Grade 9 (Govt)

Session 2026-2027

### ENGLISH

Study KPK English Book for Grade 8 , Gerund , Phrasal Verb , Voices (Active Voice and Passive Voice)  
Applications , Stories , Essays

### MATHEMATICS

- **APPOXIMATION AND ESTIMATION.**  
Significant Figures and rule. Rules to round to the specified number of significant figures.
- **REAL NUMBERS**  
Decimal numbers. , Types of decimal No's , Rational and irrational No's.  
Absolute value of real No's , Properties of real No's.
- **FINANCIAL ARITHMETIC.**  
Proportion and types of proportion , Profit and Loss , Discount, Compound proportion.
- **SQUARE ROOTS OF CUBE ROOTS.**  
Square root by division method , Square root of a number which is not a Perfect square.  
Cube and cubic roots.
- **SETS:**  
Types of Sets and types of subset , Power set , Properties involving Operations on sets.
- **SEQUANCE AND ALGEBRA.**  
Arithmetic and Geometric sequence.  
Addition, subtraction , multiplication and division of polynomials.  
Factorization of Polynomials by (i)  $a^2+2ab+b^2$  form (ii)  $a^2-b^2$  form (iii)  $a^2+2ab+b^2-c^2$ .
- **SURFACE AREA AND VOLUME.**  
Pythagoras theorem , Surface area and volume of sphere , Pyramid , Cone

### GENERAL SCIENCE

- **Human Organ System**  
Nervous System: The Central Nervous System (CNS) , The Peripheral Nervous System (PNS)  
Excretory System: Human Kidney , Internal Structure of Kidney , Role of Kidney  
**Heredity in Organisms**  
Cell Division (Mitosis and Meiosis) , Chromosomes , Gene and DNA , Heredity
- **Chemical Reactions**  
Chemical Reactions and their Examples, Chemical Equations , Balancing of chemical equation  
Types of chemical equations , Energy changes in chemical reactions  
**Force and Pressure**  
Pressure , Force and Area , Units of Pressure , Hydraulic System , Hydraulic Press ,  
Pneumatics (Pressure of gasses) , Atmospheric Pressure , Application of Gas Pressure

## **Pollutants and their effects on the environment**

Air Pollution and their source , Harmful effects of air Pollution , Problem caused by Pollutants in Human organ System , Green House effects , Global Warming , Acid Rain , Deforestation , Conservation of Resources

## **اردو - گرائمر حصہ**

علم بیان ( تشبیہ ، استعارہ ، مجاز مرسل ، کنایہ ) علم بدریغ کی تعریف اور اس کے اقسام ، واحد جمع ، الفاظ مترادف ، الفاظ متضاد ، مذکر مؤنث ، درخواستیں ، مضامین ، خطوط ، مکالمے ، شعری اصناف سخن ، مرکبات

## **اسلامیات**

اخلاق و آداب ، حسن معاملات و معاشرت ، ہدایت کے سرچشمے اور مشاہیر علماء

### ***Instruction for Scholarship Test***

- Reporting time 08: 00 AM While Test Timing 09 : 00 AM
- Sit on allocated Seat.
- For Heading using Black or Blue markers.
- Test sheets will be provided by school.
- Bring your own stationary items and clip boards.
- Brings Roll Number Slip / Test Form for Scholarship test.
- Do not copy or look at your neighbor's exams. This is cheating.
- In case of query raise your hand, examiner / invigilator will come to your seat to address your problem.

**BEST OF LUCK!**