



Test duration: 3 hours (9:00 to 12:00)
Total Marks: 100

USMAN PUBLIC SCHOOL SYSTEM

ENTRANCE TEST SYLLABUS FOR THE YEAR 2024-2025

CLASS IX

ENGLISH:

- Paragraph comprehension through question answer
- Story or paragraph writing on certain topic or using given picture / letter/ application
- Articles, pronouns, prepositions, adjectives, tenses, voice and narration

اردو:

- عبارت پڑھ کر سوالات کے جوابات تحریر کرنا
- دیے گئے عنوان یا تصویر پر کہانی یا مضمون تحریر کرنا۔ اشعار کی تشریح
- محاورات اور ضرب الامثال۔ واحد جمع۔ الفاظ ضد
- مرکب اضافی و توصیفی۔ سابقہ و لاحقہ

MATHEMATICS:

- Factorization (taking common, using formulae, by middle term breaking)
- Expansion of simple algebraic expression
- Quadratic equations (Solving by factorization, applications)
- Direct & Inverse proportion
- Solving Simultaneous linear equation by elimination / substitution / graph method
- Four operations of Algebraic fractions
- Volume & Surface Area of cone, sphere and cylinder

SCIENCE:

- **System of body:** Nervous system, Excretory system, Transport system
- **Atoms:** particles of atoms, filling of electrons in shells, atomic number and mass number chemical formula, symbols of elements
- **Type of chemical reactions:** with chemical equation and examples
- **Acid, Alkalis and salts:** physical and chemical properties and uses
- **Heat:** heat and temperature, thermal expansion and contraction of matter and its effects
- **Measurement of physical quantities:** Distance, time, mass, volume, area, density
- **Lens:** Types of lenses, working of human eye and defects of human eye
- **Electric current:** current, voltage A. C., D.C. current, electronic devices

Note: The recommended books of Science and Math are Sindh textbook board, New Edition book for class VIII. Definitions, explanations, differences, comparisons, diagrams, drawing and labeling, true and false, fill in the blanks, reasoning questions etc from the above mentioned topics, should be focused in Science.