

SYLLABUS FOR ADMISSION IN CLASS - VIII

Subject: English

- Parts of Speech to include Nouns, Pronouns, Adjective, Forms of Verbs, Adverbs, Preposition, Conjunctions, Articles and Punctuation. (MCQs / do as directed).
- Correct / Rearrange / Complete Sentences.
- Meaning of Words / Idioms and their use in Sentences.
- Change Sentence in to Interrogative and Negative Forms. (tenses)
- Essay Writing/ Paragraph Writing, Letter/ Application or Building a Story from a given Outline.
- Translation from Urdu into English and Vice Versa.
- Comprehension Skills.
- Gender.
- Gerunds.
- Correction Spellings.
- Antonyms / Synonyms, Singular and Plural.
- Change of Voice and Narration.
- Poetry / figure of speech (simile, metaphor & personification).
- Model verbs.
- Sentence its types.
- Make sentences from given words.

Subject: Mathematics

- **Unit # 1.** Rational numbers.
- **Unit # 2.** Laws of operations
- **Unit # 3.** Square and Square root
- **Unit # 4.** Ratio, rate and proportion
- **Unit # 6.** Sets
- **Unit # 7.** Algebraic expressions

Subject: General Science

- **Human organ system**
 - Digestive System and its common diseases
 - Respiratory System and its common diseases
- **Transport system in human**
 - Human Heart
 - Circulation system
 - Disorders of human transport system
 - Transport in Plants
- **Reproduction In Plants**
 - Asexual reproduction
 - Sexual Reproduction
 - Pollination
 - Fertilization

➤ **Water**

- Sources of Water
- Impurities in Water
- Importance of Water
- Impurities in Water
- Distillation
- Uses of Water

➤ **Structure of atom:**

- General Structure of an Atom
- Sub-atomic Particles
- Atomic number & Atomic Mass
- Diagram of Atom Structure (first 18 elements)
- Ions & its Types
- Isotopes & their uses
- Chemical Formulae of Common compounds
- Law of Constant Composition

➤ **Physical & Chemical Changes**

- Physical and chemical properties
- Physical & Chemical Changes with examples
- Reversible & Irreversible Changes
- Hydrocarbons, Fertilizers, Plastics

➤ **Transmission of Heat**

- Heat as a form of Energy
- Law of Conservation of Energy
- Conduction, Convection & Radiation
- Working & Principle of Vacuum Flask
- Ocean Currents
- Convection Current

➤ **Dispersion of Light**

- Reflection of Light (Causes , Effects & Examples)
- Dispersion of Light by Prism
- Refractive Index
- Mirage
- Rainbow

➤ **Sound Waves**

- Wavelength , Frequency , Amplitude , Longitudinal & Transverse Waves
- Wave Characteristics of Sounds
- Audible Frequency Range
- Application of different sounds in daily life

مضمون : اُردو

- جملوں کی درستگی
- تفہیم
- جملہ سازی
- محاورات
- واحد ، جمع
- مذکر ، مؤنث
- الفاظ متضاد
- الفاظ مترادف
- مضمون نویسی
- خطوط نویسی
- درخواست نویسی
- کہانی نویسی

مضمون : اسلامیات

- پانچ اسلامی بنیادی ارکان
- خطبہ حجۃ الوداع
- غزوہ بدر
- غزوہ خُنین
- فتح مکہ
- غزوہ تبوک
- حقوق العباد
- مساوات
- محنت کی عظمت
- میانہ روی
- سخاوت
- حضرت عمر فاروق
- حضرت عائشہ
- ابن خلدون
- صلاح الدین ایوبی