

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

- **Set Theory.** Operations and Laws on Sets.
- **Fraction.** Addition, Subtraction, Multiplication, Division.
- **Square Roots.** By Factorization and Division Method.
- **Ratio and Proportions.** Direct and Inverse Ratio with Word Problems.
- **Financial Arithmetic.** Including word problems.
- **Algebraic Expressions.** Addition, Subtractions, Multiplication, Division.
- **Circumference, Area and Volume of.** Circle, Cylinder including word problems
- **Solutions of Linear Equations in one Variable**

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
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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 حُنین
- فتح مکہ
- غزوہ تبوک
- حقوق العباد
- مساوات
- محنت کی عظمت
- میانہ روی
- سخاوت
- حضرت عمر فاروق
- حضرت عائشہ
- ابن خلدون
- صلاح الدین ایوبی