## ENGLISH (All questions are based on the prescribed syllabus for Class VIII)

**Composition**

- Essay Writing (100-120 words)
- Formal (Application ) / Informal ( letter writing ) .
- Dialogue Writing
- Story Writing

**Applied Grammar**

- Parts of Speech.
- Punctuation.
- Masculine and Feminine.
- Degrees of adjectives.
- Use of Articles / Preposition.
- Use of Tenses.
- Correction of Spelling .
- Correction of Tenses and Sentences.
- Converting Affirmative Statements into Negative Statements and Interrogative into Interrogative negative statements .
- Translation from Urdu & English .
- Direct / Indirect speech .
- Active / Passive voice .

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## MATHEMATICS (All questions are based on the prescribed syllabus for Class VIII)

**ARITHMETIC**

**Sets**

*Definition of :-*

- Finite and infinite sets. , Proper and Improper subsets.
- Universal & Complementary sets. , Equivalent, disjoint and empty sets.

*Operation of :-*

- Union of sets. , Intersection of sets.
- Difference of sets. , Complement of union, intersection and difference of two or more sets.

**Fractions**

- Proper and improper fraction. , Addition, subtraction, multiplication, and division of fractions.
- Conversion between fractions and decimals. , Descriptive questions based upon fractions.

**Square Root**

- To find square-root by factors.
- Descriptive questions based upon square root.

**Ratio and Proportion**

- Ratio and proportion.
- Direct and inverse proportion.
- Rates.
- Continued ratio.

**Real Numbers**

- Properties of Real Numbers.
- Addition, subtraction, multiplication & division of real numbers.

**Percentage**

- Conversion of percentage into simple fraction or decimal fraction.
- Conversion of simple and decimal fraction into percentage.
- Application of percentage on Zakat, Profit , Loss, Commission , Partnership

**ALGEBRA**

**Algebraic Expressions**

- Evaluation of algebraic expressions.
- Removing brackets.
- Ascending and descending orders.
- Addition, subtraction, multiplication and division of algebraic expressions.

**Linear Equation**

- Linear equation in one variable and its solution set.
- Application of equations in descriptive problems.

**Geometry :-**

*Definition of :-*

- Parallel lines.
- Different types of angles and triangles.
- Construction of perpendicular and parallel lines.

*Construction of : -*

- Triangle, Rectangle, Parallelograms, Square with steps of construction

**Circle**

- To find the area of a circle. To find the circumference of a circle.
- To find radius / diameter of a circle.

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**URDU (All questions are based on the prescribed syllabus for Class VIII)**

۱۔ کسی عنوان پر مضمون ۲۔ درخواست اور خط ۳۔ مذکر مؤنث ۴۔ واحد جمع

۵۔ محاوروں اور امثال کا جملوں میں استعمال ان کے معنی کے ساتھ

۶۔ اردو گرامر: سابقہ لاحقہ ،مترادفات،متضاد الفاظ

۷۔ اسم کی تعریف بمع اسم کی اقسام، فاعل اور مفعول کی تعریف

۸۔ اشعار کی تشریح