



# *New Era High School and Senior Secondary*

## **FOR THE BETTERMENT OF THE WORLD**

### **SYLLABUS FOR CLASS 7 ENTRANCE TEST**

#### **ENGLISH**

1. Two unseen comprehension passages.
2. Two short compositions on given topics.
3. Grammar- kinds of nouns, articles, punctuation (capital letter, full stop, comma, apostrophe), identification of parts of speech (adverb, adjective, noun, verb, preposition, pronoun, conjunction) tenses, forming meaningful sentences from jumbled words.

#### **MATHEMATICS**

1. Divisibility test of 2,3,4,5,6 and 9
2. To find the prime factors of the given numbers and H.C.F. and L.C.M.
3. Operations of integers, additions, subtractions, multiplications and division and Number line.
4. Examples based on BODMAS.
5. Operations on fractions and decimal fractions.
6. Preparing the expressions using numbers, variables and signs.
7. Conversion of measurements of length, mass, time
8. Ratio and proportion.
9. Word problems on multiplication and division.
10. Perimeter and area of squares and rectangle.
11. Basic geometrical concepts line, ray, segment and plane .
12. Measuring and constructing an angle and types of angles, triangles & quadrilaterals.
13. Circle, radius, diameter, chord sector and arcs.