<u>USWA COLLEGE ISLAMABAD</u> Syllabus of Mathematics for Entry Test Class 7th Session 2025 – 26

The students should know

- Set, kinds of set, operation on sets (like union, intersection etc) and related symbols
 (∈∉∪∩⊆Ø etc.)
- Fractions (their addition, subtraction, division and multiplication) and related symbols
 (≤, ≥, =, ≠ etc.)
- Algebra (addition, subtraction, division and multiplication)
- Polynomials (Monomial, binomial, trinomial, like terms, unlike terms, variable, exponent, co-efficient, constant etc.)
- Integer, Operations on integers (e,g. addition, subtraction, division and multiplication)
- How to find percentage, average etc.
- Ratio, proportion.
- Lowest form of common fractions.
- How to find L.C.M and H.C.F
- How to find Area (square, triangle, rectangle etc.)
- How to find the area and volume of cube and cuboid.
- How to bisect Line / side and angle.
- How to construct different angles with the help of compass.
- How to construct triangle.

<u>Reference</u> Book:

National Book Foundation for Class 6th

Paper Pattern for Class 7th

Multiple Choice Questions (MCQs)10 MarksShort Questions (6 Questions of 5 marks each)30 MarksLong Question (2 Questions of 10 marks each)20 MarksTotal Marks:60 Marks