

## **SIMOC SYLLABUS (DIFFICULTY LEVEL – MEDIUM)**

SIMOC reserves the rights to change the syllabus without any prior notice.

### **GRADE 2-4 (PRIMARY 2-4)**

Arithmetic and Statistics

Geometry and Mensuration

Solving word problems using model method (or any other non-algebraic methods)

Non-routine problem solving (including number patterns, divisibility tests, spatial visualisation, logic problems and simple cryptarithms)

### **GRADE 5-6 (PRIMARY 5-6)**

Arithmetic and Statistics

Geometry and Mensuration

Solving word problems using model method (or any other methods including algebra)

Non-routine problem solving (including number patterns, divisibility tests, spatial visualisation, logic problems and cryptarithms)

### **GRADE 7 (SECONDARY 1)**

Arithmetic and Algebra

Geometry, Graphs and Mensuration

Statistics

Non-routine problem solving (including number patterns, divisibility tests, spatial visualisation, logic problems and cryptarithms)

### **GRADE 8 (SECONDARY 2)**

Arithmetic and Algebra

Geometry, Graphs and Mensuration

Pythagoras' Theorem

Statistics

Non-routine problem solving (including number patterns, divisibility tests, spatial visualisation, logic problems and cryptarithms)

### **GRADE 9-11 (SECONDARY 3-4)**

Arithmetic and Algebra

Geometry, Graphs and Mensuration

Pythagoras' Theorem and Trigonometry

Statistics and Probability

Non-routine problem solving (including number patterns, divisibility tests, spatial visualisation, logic problems and cryptarithms)