

Pre-Rmo Senior

Day	Date	Concept
1	8 th July	Fractional Equations
2	12 th July	Higher Degree Polynomial Equations
3	15 th July	Irrational Equations
4	19 th July	Indicial Functions and Logarithmic Functions
5	22 nd July	Trigonometric Functions
6	26 th July	Law of Sines and Law of Cosines
7	29 th July	Manipulations of Trigonometric Expressions
8	2 nd August	Extreme Values of Functions and Mean Inequality
9	5 th August	Extreme Value Problems in Trigonometry
10	9 th August	Fundamental Properties of Circles
11	12 th August	Relation of Line and Circle and Relation of Circles
12	16 th August	Cyclic Polygons
13	19 th August	Power of a Point with respect to a Circle
14	23 rd August	Some Important Theorems in Geometry

Day	Date	Concept
15	26 th August	Five Centers of a Triangle
16	30 th August	Mathematical Induction
17	2 nd September	Arithmetic Progressions and Geometric Progressions
18	6 th September	Recursive Sequences
19	9 th September	Summation of Various Sequences
20	13 th September	Some Fundamental Theorems on Congruence
21	16 th September	Chinese Remainder Theorem and Order of Integer
22	20 th September	Diophantine Equations(III)
23	23 rd September	Pythagorean Triples and Pell's Equations
24	27 th September	Quadratic Residues
25	30 th September	Some Important Inequalities (I)
26	4 th October	Some Important Inequalities (I)

Day	Date	Concept
27	7 th October	Some Methods For Solving Inequalities
28	11 th October	Some Basic Methods in Counting (I)
29	14 th October	Some Basic Methods in Counting (II)
30	17 th October	Introduction to Functional Equations