



B. K. BIRLA COLLEGE (AUTONOMOUS), KALYAN

Department of Mathematics

(Funded by Star College Scheme, DBT – New Delhi)



Golden Jubilee Celebrations

(17 June 2021 to 16 June 2022)

Summer School in Mathematics

For second year B. Sc. students of University of Mumbai under
STAR COLLEGE SCHEME, DBT, Govt. of India.

Date : 11 to 16 May, 2022

The summer school is intended for students completed second year B.Sc. in the academic year 2021-2022. The school shall aim at helping young students to gain basic concepts and problem solving skills in mathematics at the undergraduate level.

Schedule:

Date	Speaker	Topic
11th May, 2022	Mr. Mandar Bhanushe (IDOL, UoM)	Algebra
12th May, 2022	Lt. Prakash Sansare (B. K. Birla College(Autonomous), Kalyan)	Analysis
13th May, 2022	Mr. Rajiv Pathak (Sathaye College(Autonomous), Vile Parle)	Algebra
14th May, 2022	Mr. Mandar Khasnis (CHM College, Ulhasnagar)	Analysis
15th May, 2022	Dr. Santosh. A. Shende (Annasaheb Vartak College, Vasai)	Discrete Maths
16th May, 2022	Dr. Abhaya Chitre (D.G. Ruparel College, Mahim)	Differential Equations

Time: 10.00 am to 12.00 noon everyday

Topic to be covered:

Algebra	Group theory and Ring theory
Analysis	Real Number System, Sequences, Limit, Continuity and Differentiability
Discrete Maths	Review of inclusion exclusion principle, Arranging identical balls in distinct boxes, integral solutions of $x_1 + x_2 + \dots + x_n = k$, with some constraints on x_i , Recurrence relation solution by generating function.
Differential Equations	First order differential equations, Linear differential equations of second order.

[Click here for registration](#)

For further details:

Join telegram group : <https://t.me/+XPdrGtHvmG80N2E1>

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Visit : <https://sites.google.com/view/b-k-birla-college-kalyan>