JSSC TGT SYLLABUS

Mathematics

Algebra :-

Set Theory :-

Generalized De Morgan's Law, Countable and Uncountable Sets, Set Mapping.

Theory of Equation :-

Relation between roots and coefficients, Transformation of equation, Symmetric function of roots.

Differential Calculus :-

Functions, Continuity and Differentiability, Successive Differentiation, Leibnitz Theorem, Partial Differential, Euler's Theorem Tangent and Normal.

Integral Calculus :-

Indefinite Integral of Trigonometric, Rational and Irrational Functions. Properties of Definite Integral, Reduction formula, Differential Equation of first order and first degree.

Co-ordinate Geometry :-

Standard Equation of Parabola, Ellipse, Hyperbola Tangents and Normal. (Diameter Excluded)

Co-ordinate Geometry Three Dimension :-

Different Coordinate systems and relation between them Direction Cosines, Plane Straight Line .

Trigonometry :-

De-Moivre's Theorem and its Application, Complex Argument , Gregory Series , Summation of Series .
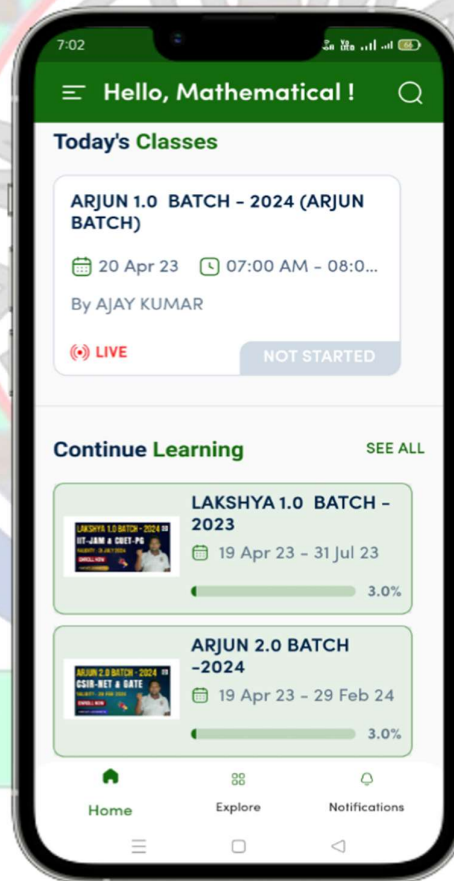
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