## N. C. JINDAL PUBLIC SCHOOLPUNJABI BAGH, NEW DELHIANUUAL CURRICULUM



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| Mathematics Text Book for class IX |  | .Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers, plotting them and showing that they lie on a line. | 1 | 7/15/24 | 7/20/24 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Heron's Formula | Area of a triangle using Heron's formula (without proof) | 1 | 7/22/24 | 7/26/24 | 5 |
|  | Introduction to Euclid's geometry | History - Geometry in India and Euclid's geometry. Euclid's method of formalizing observed phenomenon into rigorous Mathematics with definitions, common/obvious notions, axioms/postulates and theorems. The five postulates of Euclid. Showing the relationship between axiom and theorem, for example: (Axiom) 1. Given two distinct points, there exists one and only one line through them. (Theorem) 2. (Prove) Two distinct lines cannot have more than one point in common. | 1 | 7/29/24 | 08/03/2024 | 5.5 |
|  | Statistics | Bar graphs, histograms (with varying base lengths), | 1 | 08/05/2024 | 08/09/2024 | 5 |
|  |  | frequency polygons. |  | 08/12/2024 | 8/17/24 | 5 |
|  | lines and angles | (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is 1800 and the converse. | 1 | 8/20/24 | 8/23/24 | 4 |
|  |  | (Prove) If two lines intersect, vertically opposite angles are equal. |  | 8/27/24 | 8/30/24 | 4 |
|  |  | (Motivate) Lines which are parallel to a given line are parallel. |  | 09/02/2024 | 09/06/2024 | 4 |
|  | Revision |  | 1 | 09/09/2024 | 09/11/2024 | 3 |
|  | Half Yearly/ Mid Term Exam |  | 1 | 9/13/24 | 9/27/24 | 11 |
|  |  | Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. |  | 9/30/24 | 10/05/2024 | 5 |
|  | polynomials | Monomials, binomials, trinomials. Factors and multiples. Zeros of a polynomial. Motivate and State the Remainder Theorem with examples. Statement and proof of the Factor Theorem. Factorization of $a x 2+b x+c, a \neq 0$ where $a, b$ and $c$ are real numbers, and of cubic polynomials using the Factor Theorem. | 2 | 10/07/2024 | 10/19/24 | 8 |

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$\qquad$ Mr. K.K.Jha $\qquad$ Sign
N.C. JINDAL PUBLIC SCHOOL

MARKING SCHEME OF CLASS IX, TCHR: VD

| S.NO. | PERIODIC EXAMINATIONS | CHAPTER/TOPIC | MAXIMUM MARKS |
| :---: | :---: | :---: | :---: |
|  | PERIODIC TEST 1 | NUMBER SYSTEM | 20 |
|  |  | TOTAL | 20 |
|  |  | NUMBER SYSTEM | 18 |
|  |  | LINES AND ANGLES | 20 |
|  |  | HERONS FORMULA | 8 |
|  | F YEARLY EXAM/MIDTERM EX | EUCLIDS GEOMETRY | 5 |
|  |  | COORDINATE GEOMETRY | 8 |
|  |  | LINEAR EQUATIONS | 12 |
|  |  | STATISTICS | 9 |
|  |  | TOTAL | 80 |
|  |  | COORDINATE GEOMETRY | 6 |
|  | PERIODIC TEST 2 | LINEAR EQUATIONS | 7 |
|  |  | HERONS FORMULA | 7 |
|  |  | TOTAL | 20 |
|  | PERIODIC TEST 3 | POLYNOMIAL | 20 |
|  |  | TOTAL | 20 |
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Co-ordinator Name : $\qquad$ Sign $\qquad$
Subject Teacher :
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