DREAM WORLD SCHOOL, BALLARI, KARNATAKA
Six Revisions Checklist 2024-2025
Name: $\quad$ Standard: $X \quad$ Mathematics (R.D. Sharma)

| Sc. No. | Concept: 1. Real Numbers | R1 | R2 | PS | CT | R3 | PS | PT | R4 | PS | Z1 | R5 | PS | Z2 | R6 | PS | Z3 | CL |
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| 1.5 | The Fundamental Theorem of Arithmetic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.6 | Some Applications of The Fundamental Theorem of Arithmetic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.6.1 | Finding HCF and LCM of Positive Integers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.6.2 | Proving Irrationality of Numbers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sc. No. | Concept: 2. Polynomials | R1 | R2 | PS | CT | R3 | PS | PT | R4 | PS | Z1 | R5 | PS | Z2 | R6 | PS | Z3 | CL |
| 2.1 | Introduction |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.2 | Recapitulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.3 | Graphs of Polynomials |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.3.1 | Graph of a Linear Polynomial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.3.2 | Graph of a Quadratic Polynomial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.4 | Geometrical Meaning of the Zeros of a Polynomial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.5 | Relationship between the Zeros and Coefficients of a Polynomial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.5.1 | Relationship between the Zeros and Coefficients of a Quadratic Polynomial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sc. No. | Concept: 3. Pair of Linear Equations in Two Variables | R1 | R2 | PS | CT | R3 | PS | PT | R4 | PS | Z1 | R5 | PS | Z2 | R6 | PS | Z3 | CL |
| 3.1 | Introduction |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.2 | Simultaneous Linear Equations in Two Variables |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.3 | Graphical Representation of Linear Equations |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.4 | Graphical Method of Solving Simultaneous Linear Equations |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.5 | Algebraic Methods of Solving a Simultaneous Linear Equations in Two Variables |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.5.1 | Method of Elimination by Substitution |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.5.2 | Method of Elimination by Equating The Coefficients |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.6 | Conditions for Solvability (or Consistency) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.7 | Applications to Word Problems |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| Sc. No. | Concept: 4. Quadratic Equations | R1 | R2 | PS | CT | R3 | PS | PT | R4 | PS | Z1 | R5 | PS | Z2 | R6 | PS | Z3 | CL |
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| 4.1 | Introduction |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.2 | Quadratic Equation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.3 | Formulation of Quadratic Equations |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.4 | Solution of a Quadratic Equation by Factorisation Method |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.6 | Solution of a Quadratic Equation by Using the Quadratic Formula (Sridharacharya's Rule) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.7 | Nature of Roots |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.8 | Solution of Problems Involving Quadratic Equations |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sc. No. | Concept: 5. Arithmetic Progressions | R1 | R2 | PS | CT | R3 | PS | PT | R4 | PS | Z1 | R5 | PS | Z2 | R6 | PS | Z3 | CL |
| 5.1 | Introduction |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.2 | Sequences |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.3 | Arithmetic Progression (A.P.) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.4 | General Term of an A.P. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.5 | Selection of Terms in an A.P. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.6 | Sum to 'n' terms of an A.P. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sc. No. | Concept: 6. Co-ordinate Geometry | R1 | R2 | PS | CT | R3 | PS | PT | R4 | PS | Z1 | R5 | PS | Z2 | R6 | PS | Z3 | CL |
| 6.1 | Introduction |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.2 | Recapitulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.3 | Distance Between Two Points |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.4 | Section Formulae |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.5 | Some Applications of Section Formula |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sc. No. | Concept: 7. Triangles | R1 | R2 | PS | CT | R3 | PS | PT | R4 | PS | Z1 | R5 | PS | Z2 | R6 | PS | Z3 | CL |
| 7.1 | Concept of Similarity |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.2 | Similar Polygons |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.3 | Similar Triangles and Their Properties |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.4 | Some Basic Results on Proportionality |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.6 | Criteria for Similarity of Triangles |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.7 | More on Characteristic Properties |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sc. No. | Concept: 8. Circles | R1 | R2 | PS | CT | R3 | PS | PT | R4 | PS | Z1 | R5 | PS | Z2 | R6 | PS | Z3 | CL |
| 8.1 | Secant and Tangent |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.2 | Some Properties of Tangent to a Circle |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.3 | Tangent From a Point on a Circle |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Six Revisions Checklist 2024-2025
Name:
Standard: X Mathematics (R.D. Sharma)


# Six Revisions Checklist 2024-2025 

Name:
Standard: X
Mathematics (R.D. Sharma)

| Sc. No. | Concept: 15. Statistics | R1 | R2 | PS | CT | R3 | PS | PT | R4 | PS | Z1 | R5 | PS | Z2 | R6 | PS | Z3 | CL |
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| 15.1 | Introduction |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.2 | Mean of Grouped Data |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.2.1 | Direct Method |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.2.2 | Short-Cut Method |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.2.4 | Arithmetic Mean of a Continuous Frequency Distribution |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.3 | Median |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.3.1 | Median of a Discrete Frequency Distribution |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.3.2 | Median of a Grouped or Continuous Frequency Distribution |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.4 | Merits and Demerits of Median |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.5 | Mode |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.5.1 | Computation of Mode of a Series of Individual Observations |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.5.2 | Computation of Mode by Grouping |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.6 | Merits, Demerits and Uses of Mode |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.7 | Relationship Between Mean, Median and Mode |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

R1 - R6: Six Revisions (Reading, Writing, Practising, Learning the Concepts/Topics with Analytical, Crirical \& Creative Thinking approach, and Clarifying Doubts)
Z1-Z3: Three Zone Exams (Preparatory Exams) - Score Obtained in each Zone out of 80 Marks
CT: $\quad$ Score Obtained in Chapter Test out of 20 Marks
PT: $\quad$ Score Obtained in Periodic Test Score out of 40 Marks
PS: Parent's Short Signature
CL: Confidence Level

