## DREAM WORLD SCHOOL, BALLARI, KARNATAKA

Six Revisions Checklist 202 - 202

	Name:			Sta	ndar	d: X			Mathematics (R.D. Sharma)										
Sc. No.	Concept: 1. Real Numbers	R1	R2	PS	СТ	R3	PS	РТ	R4	PS	<b>Z1</b>	R5	PS	<b>Z</b> 2	R6	PS	Z3	CL	
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	СТ	R3	PS	РТ	R4	PS	<b>Z1</b>	R5	PS	<b>Z</b> 2	R6	PS	<b>Z3</b>	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	СТ	R3	PS	РТ	R4	PS	<b>Z1</b>	R5	PS	Z2	R6	PS	<b>Z</b> 3	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																		

## Six Revisions Checklist 2024-2025

	Name:			Sta	ndar	d: X					Mat	hema	atics	(R.D	. Sha	rma)		
Sc. No.	Concept: 4. Quadratic Equations	<b>R1</b>	R2	PS	СТ	<b>R3</b>	PS	ΡΤ	R4	PS	<b>Z1</b>	R5	PS	Z2	R6	PS	Z3	CL
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	СТ	R3	PS	PT	R4	PS	<b>Z1</b>	R5	PS	Z2	R6	PS	<b>Z</b> 3	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.																	
						<b>I</b>		-			1							
Sc. No.	Concept: 6. Co-ordinate Geometry	<b>R1</b>	R2	PS	СТ	<b>R3</b>	PS	PT	R4	PS	Z1	R5	PS	Z2	R6	PS	<b>Z3</b>	CL
<b>Sc. No.</b> 6.1	Concept: 6. Co-ordinate Geometry Introduction	R1	R2	PS	СТ	R3	PS	РТ	R4	PS	Z1	R5	PS	Z2	R6	PS	Z3	CL
<b>Sc. No.</b> 6.1 6.2	Concept: 6. Co-ordinate Geometry Introduction Recapitulation	R1	R2	PS	СТ	R3	PS	PT	R4	PS	<u>Z1</u>	R5	PS	<u>Z2</u>	R6	PS	<u>Z3</u>	CL
<b>Sc. No.</b> 6.1 6.2 6.3	Concept: 6. Co-ordinate Geometry Introduction Recapitulation Distance Between Two Points	R1	R2	PS	СТ	R3	PS	PT	R4	PS	<u>Z1</u>	R5	PS	<u>Z2</u>	R6	PS	<u>Z3</u>	CL
<b>Sc. No.</b> 6.1 6.2 6.3 6.4	Concept: 6. Co-ordinate Geometry Introduction Recapitulation Distance Between Two Points Section Formulae	R1	R2	PS	СТ	R3	PS	<u>PT</u>		PS	<u>Z1</u>	R5	PS	<u>Z2</u>	R6	<u>PS</u>	Z3	
Sc. No. 6.1 6.2 6.3 6.4 6.5	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula	R1	R2	PS	СТ	R3	PS	PT		PS	Z1	R5	PS	<u>Z2</u>	R6	_PS	<b>Z3</b>	
Sc. No. 6.1 6.2 6.3 6.4 6.5 Sc. No.	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula         Concept: 7. Triangles	R1	R2	PS PS	СТ	R3	PS	PT PT	R4	PS	Z1 Z1	R5	PS PS	Z2 Z2	R6	PS PS	Z3 Z3	CL
Sc. No. 6.1 6.2 6.3 6.4 6.5 Sc. No. 7.1	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula         Concept: 7. Triangles         Concept of Similarity	R1	R2	PS PS	СТ	R3	PS PS	PT PT	R4	PS PS	Z1 Z1	R5	PS PS	Z2 Z2	R6	PS PS	Z3 Z3	CL
Sc. No.           6.1           6.2           6.3           6.4           6.5           Sc. No.           7.1           7.2	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula         Concept: 7. Triangles         Concept of Similarity         Similar Polygons	R1  R1	R2 R2 R2	PS PS	СТ	R3   R3	PS PS	PT PT	R4  	PS PS	Z1 Z1	R5 R5	PS PS	Z2 Z2	R6   	PS PS	Z3 Z3	CL
Sc. No.           6.1           6.2           6.3           6.4           6.5           Sc. No.           7.1           7.2           7.3	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula         Concept: 7. Triangles         Concept of Similarity         Similar Polygons         Similar Triangles and Their Properties	R1  R1	R2 R2 R2	PS PS	СТ	R3  R3	PS PS	PT	R4	PS	Z1 Z1	R5 R5	PS PS	Z2 Z2	R6  	PS PS	Z3 Z3	
Sc. No.           6.1           6.2           6.3           6.4           6.5           Sc. No.           7.1           7.2           7.3           7.4	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula         Concept: 7. Triangles         Concept of Similarity         Similar Polygons         Similar Triangles and Their Properties         Some Basic Results on Proportionality	R1 R1	R2 R2 R2	PS PS	СТ	R3  R3 	PS PS	PT PT	R4	PS PS	Z1 Z1	R5 R5	PS PS	Z2 Z2	R6  R6	PS PS	Z3 Z3	
Sc. No. 6.1 6.2 6.3 6.4 6.5 Sc. No. 7.1 7.2 7.3 7.4 7.6	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula         Concept: 7. Triangles         Concept of Similarity         Similar Polygons         Similar Triangles and Their Properties         Some Basic Results on Proportionality         Criteria for Similarity of Triangles	R1  R1	R2 R2 R2	PS PS	СТ	R3  R3 	PS	PT	R4	PS	Z1 Z1	R5 R5	PS	Z2 Z2	R6 	PS PS	Z3 Z3	
Sc. No.           6.1           6.2           6.3           6.4           6.5           Sc. No.           7.1           7.2           7.3           7.4           7.6           7.7	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula         Concept: 7. Triangles         Concept of Similarity         Similar Polygons         Similar Triangles and Their Properties         Some Basic Results on Proportionality         Criteria for Similarity of Triangles         More on Characteristic Properties	R1	R2 R2	PS PS	СТ	R3  R3 	PS PS	PT	R4	PS PS	Z1 Z1	R5 R5	PS PS	<u>Z2</u> <u>Z2</u>	R6 R6	PS PS	Z3 Z3	
Sc. No. 6.1 6.2 6.3 6.4 6.5 Sc. No. 7.1 7.2 7.3 7.4 7.6 7.7	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula         Concept: 7. Triangles         Concept of Similarity         Similar Polygons         Similar Triangles and Their Properties         Some Basic Results on Proportionality         Criteria for Similarity of Triangles         More on Characteristic Properties         Concent: 8. Circles	R1	R2 R2 R2	PS PS	СТ	R3 R3 R3 R3	PS	PT	R4	PS	Z1 Z1	R5 R5	PS PS	Z2 Z2	R6 R6	PS PS	Z3 Z3	
Sc. No.           6.1           6.2           6.3           6.4           6.5           Sc. No.           7.1           7.2           7.3           7.4           7.6           7.7           Sc. No.           8.1	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula         Concept: 7. Triangles         Concept of Similarity         Similar Polygons         Similar Triangles and Their Properties         Some Basic Results on Proportionality         Criteria for Similarity of Triangles         More on Characteristic Properties         Secant and Tangent	R1 R1 R1 R1 R1 R1	R2 R2 R2 R2 R2	PS PS PS	СТ	R3 R3 R3 R3 R3	PS PS PS	PT PT PT	R4 R4 R4	PS PS PS	Z1 Z1 Z1	R5 R5 R5 R5	PS PS PS	Z2 Z2 Z2	R6 R6 R6 R6 R6	PS PS PS	Z3 Z3 Z3	
Sc. No. 6.1 6.2 6.3 6.4 6.5 Sc. No. 7.1 7.2 7.3 7.4 7.6 7.7 Sc. No. 8.1 8.2	Concept: 6. Co-ordinate Geometry         Introduction         Recapitulation         Distance Between Two Points         Section Formulae         Some Applications of Section Formula         Concept: 7. Triangles         Concept of Similarity         Similar Polygons         Similar Triangles and Their Properties         Some Basic Results on Proportionality         Criteria for Similarity of Triangles         More on Characteristic Properties         Secant and Tangent         Some Properties of Tangent to a Circle	R1 R1 R1 R1 R1	R2 R2 R2 R2	PS PS PS	СТ	R3 R3 R3 R3 R3	PS PS PS	PT PT PT	R4	PS PS PS	Z1 Z1 Z1	R5 R5 R5 R5	PS PS PS	Z2 Z2 Z2	R6 R6 R6 R6	PS PS PS	Z3 Z3 Z3	

## Six Revisions Checklist 2024-2025

	Name:			Sta	ndare	d: X					Mat	hema	atics	(R.D.	Sha	rma)		
Sc. No.	Concept: 10. Trigonometric Ratios	R1	R2	PS	СТ	R3	PS	ΡΤ	R4	PS	<b>Z1</b>	R5	PS	Z2	R6	PS	Z3	CL
10.1	Introduction																	
10.2	Angle																	
10.3	Trigonometric Ratios																	
10.4	Relations Between Trigonometric Ratios																	
10.5	Trigonometric Ratios of Some Specific Angles																	
Sc. No.	Concept: 11. Trigonometric Identities	R1	R2	PS	СТ	R3	PS	РТ	R4	PS	<b>Z1</b>	R5	PS	<b>Z2</b>	R6	PS	<b>Z</b> 3	CL
11.1	Introduction																	
11.2	Trigonometric Identities																	
11.3	Values of Trigonometric Ratios in Terms of The Value of One of Them																	
Sc. No.	Concept: 12. Heights and Distances	R1	R2	PS	СТ	R3	PS	РТ	R4	PS	<b>Z1</b>	R5	PS	Z2	R6	PS	Z3	CL
12.1	Introduction																	
12.2	Angles of Elevation and Depression																	
Sc. No.	Concept: 13. Areas Related To Circles	R1	R2	PS	СТ	<b>R3</b>	PS	PT	R4	PS	<b>Z1</b>	R5	PS	Z2	R6	PS	<b>Z</b> 3	CL
<b>Sc. No.</b> 13.1	Concept: 13. Areas Related To Circles Introduction	R1	R2	PS	СТ	R3	PS	PT	R4	PS	<b>Z1</b>	R5	PS	Z2	R6	PS	Z3	CL
<b>Sc. No.</b> 13.1 13.2	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle	R1	R2	PS	СТ	R3	PS	РТ	R4	PS	<b>Z1</b>	R5	PS	Z2	R6	PS	Z3	CL
<b>Sc. No.</b> 13.1 13.2 13.3	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle Sector of a Circle and Its Area	R1	R2	PS	СТ	R3	PS	РТ	R4	PS	<b>Z1</b>	R5	PS	<b>Z2</b>	R6	PS	Z3	CL
<b>Sc. No.</b> 13.1 13.2 13.3 13.4	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle Sector of a Circle and Its Area Segment of a Circle and Its Area	R1	R2	PS	СТ	R3	PS	РТ	R4	PS	<b>Z1</b>	R5	PS	<b>Z2</b>	R6	PS	<b>Z</b> 3	CL
<b>Sc. No.</b> 13.1 13.2 13.3 13.4 13.5	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle Sector of a Circle and Its Area Segment of a Circle and Its Area Areas of Combinations of Plane Figures	R1	R2	PS	СТ	R3	PS	РТ	R4	PS	<b>Z1</b>	R5	PS	<b>Z2</b>	R6	PS	<b>Z3</b>	CL
<b>Sc. No.</b> 13.1 13.2 13.3 13.4 13.5 <b>Sc. No.</b>	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle Sector of a Circle and Its Area Segment of a Circle and Its Area Areas of Combinations of Plane Figures Concept: 14. Surface Areas and Volumes	R1	R2	PS PS	СТ	R3	PS PS	PT PT	R4	PS PS	Z1 	R5	PS PS	Z2 2 22	R6	PS PS	Z3 23	CL
<b>sc. No.</b> 13.1 13.2 13.3 13.4 13.5 <b>Sc. No.</b> 14.1	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle Sector of a Circle and Its Area Segment of a Circle and Its Area Areas of Combinations of Plane Figures Concept: 14. Surface Areas and Volumes Introduction	R1	R2	PS PS	СТ	R3	PS PS	PT PT	R4	PS PS	Z1 Z1	R5	PS PS	Z2 Z2	R6	PS PS	Z3 Z3	CL CL
<b>Sc. No.</b> 13.1 13.2 13.3 13.4 13.5 <b>Sc. No.</b> 14.1 14.2	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle Sector of a Circle and Its Area Segment of a Circle and Its Area Areas of Combinations of Plane Figures Concept: 14. Surface Areas and Volumes Introduction Some Useful Formulae	R1	R2	PS PS	СТ	R3	PS PS	PT PT	R4	PS PS	Z1 Z1	R5	PS PS	Z2 Z2	R6	PS PS	Z3 Z3	CL
<b>Sc. No.</b> 13.1 13.2 13.3 13.4 13.5 <b>Sc. No.</b> 14.1 14.2 14.4	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle Sector of a Circle and Its Area Segment of a Circle and Its Area Areas of Combinations of Plane Figures Concept: 14. Surface Areas and Volumes Introduction Some Useful Formulae Surface Areas and Volumes of Combinations of Solids	R1	R2	PS PS	СТ	R3	PS PS	PT PT	R4	PS PS	Z1 Z1	R5 	PS PS	Z2 Z2	R6 R6	PS PS	Z3 Z3	CL
<b>Sc. No.</b> 13.1 13.2 13.3 13.4 13.5 <b>Sc. No.</b> 14.1 14.2 14.4 <b>Sc. No.</b>	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle Sector of a Circle and Its Area Segment of a Circle and Its Area Areas of Combinations of Plane Figures Concept: 14. Surface Areas and Volumes Introduction Some Useful Formulae Surface Areas and Volumes of Combinations of Solids Concept: 16. Probability	R1	R2 R2 R2	PS PS PS	СТ	R3 R3 R3	PS PS	PT PT	R4	PS PS PS	Z1 Z1 Z1	R5 R5 R5	PS PS PS	Z2 Z2 Z2	R6 R6 R6	PS PS PS	Z3 Z3 Z3	CL
Sc. No. 13.1 13.2 13.3 13.4 13.5 5c. No. 14.1 14.2 14.4 5c. No. 16.1	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle Sector of a Circle and Its Area Segment of a Circle and Its Area Areas of Combinations of Plane Figures Concept: 14. Surface Areas and Volumes Introduction Some Useful Formulae Surface Areas and Volumes of Combinations of Solids Concept: 16. Probability Introduction	R1 R1 R1 R1	R2 R2 R2	PS PS PS	СТ	R3 R3 R3	PS PS PS	PT PT PT	R4 R4 R4 R4	PS PS PS	Z1 Z1 Z1	R5 R5 R5	PS PS PS	Z2 Z2 Z2	R6 R6 R6	PS PS PS	Z3 Z3 Z3	CL CL CL
Sc. No.         13.1         13.2         13.3         13.4         13.5         Sc. No.         14.1         14.2         14.4         Sc. No.         16.1         16.2	Concept: 13. Areas Related To Circles Introduction Review of Perimeter and Area of a Circle Sector of a Circle and Its Area Segment of a Circle and Its Area Areas of Combinations of Plane Figures Concept: 14. Surface Areas and Volumes Introduction Some Useful Formulae Surface Areas and Volumes of Combinations of Solids Concept: 16. Probability Introduction Theoretical Approach to Probability	R1 R1 R1 R1	R2 R2 R2 R2	PS PS PS	СТ	R3 R3 R3	PS PS PS	PT PT PT	R4 R4 R4 R4	PS PS PS	Z1 Z1 Z1	R5 R5 R5	PS PS PS	Z2 Z2 Z2	R6 R6 R6	PS PS PS	Z3 Z3 Z3	CL CL CL

## Six Revisions Checklist 2024-2025

			Sta	ndar	d: X					Mat	hema	atics	(R.D	Sha	rma)			
Sc. No.	Concept: 15. Statistics	R1	R2	PS	СТ	R3	PS	PT	R4	PS	<b>Z1</b>	R5	PS	Z2	R6	PS	Z3	CL
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:** Score Obtained in Chapter Test out of 20 Marks
- **PT:** Score Obtained in Periodic Test Score out of 40 Marks
- **PS:** Parent's Short Signature
- CL: Confidence Level