

Kanz-ul-Madaris Board International Scheme Of Studies In General Mathematics

Aama, Duwam 10th Paper Scheme Jamia-Tul-Madinah For Academic Session 2025-26

The Kanz-ul-Madaris board according to Sindh Text Book Board (STBB), has released the paper schemes for General Mathematics for 10th grades for the 2025-26 academic year. These schemes, also known as pairing schemes, provide a detailed breakdown of the exam format, including the distribution of multiple-choice questions (MCQs), SRQs short response questions, and ERQs Extended response questions across various chapters.

10th Grade General Mathematics PART – I (Class –X)

- **Total Marks:100 Passing Marks:40 Time:3:00hours**
- **Here is the list of chapters included in General Mathematics:-**
- **Chapter 1:Use of Percentage**

- 1.1) Introduction
- 1.2) Reverse questions on percentages
- 1.3) Zakat and Charity
- 1.4) Tax
- 1.5) Income Tax
- 1.6) House Tax
- 1.7) Custom Duty
- 1.8) Other Taxes
- 1.9) Deductions, Discounts
- 1.10) Commission, Brokerage, and Audit
- 1.11) Buying and Selling from Banks and Corporations
- 1.12) Loans

- **Chapter 2:Formulae and Factors**

- 2.1) Formulae
- 2.2) Formula
- 2.3) Factors and Factorization
- 2.4) Analysis of Equations in the Form of
- 2.5) Formula-1

- 2.6) Use of Formula II and Formula I
- 2.7) Formula III
- 2.8) Formula IV
- 2.9) Use of Expressions in
- 2.10) Formula V
- 2.11) Formula VI
- 2.12) Formula VII

- **Chapter 3: Algebraic Sentences, Matrices, and Equations**

- 3.1) Algebraic Sentences
- 3.2) Graphical Interpretation of Equations with Two Variables
- 3.3) Matrices (2×2)
- 3.4) Addition of Matrices
- 3.5) Multiplication of Matrices
- 3.6) Use of Matrices
- 3.7) Solving Linear Equations Graphically
- 3.8) Solving Homogeneous Equations

- **Chapter 4: Geometry**

- 4.1) Point
- 4.2) Between and Beyond
- 4.3) Line Segment
- 4.4) Straight Line
- 4.5) Ray
- 4.6) Opposite Rays
- 4.7) Angle
- 4.8) Interior and Exterior of an Angle
- 4.9) Complementary Angles
- 4.10) Supplementary Angles
- 4.11) Adjacent Angles
- 4.12) Vertical Angles
- 4.13) Parallel Rays
- 4.14) Transversal
- 4.15) Corresponding Angles
- 4.16) Alternate Angles
- 4.17) Playfair's Axiom

- **Chapter 5: Practical Geometry**

- 5.1) Basics of Geometry and Angles
- 5.2) Classification of Parallel Lines
- 5.3) Important Problems Related to Parallel Lines
- 5.4) Problems on Angles
- 5.5) Some Problems Related to Parallel Lines
- 5.6) Different Forms of Triangle Similarity
- 5.7) The Need for Triangle Similarity
- 5.8) Verification of Two Special Angle Properties
- 5.9) Similar Shapes
- 5.10) Conditions for the Increase in Similarity of Quadrilaterals
- 5.11) Conditions for the Similarity of Two Circles
- 5.12) Concept of Similarity of Polygons
- 5.13) Similarity, Rotation, and Equations
- 5.14) Technical Terms Related to Circle and Sphere
- 5.15) Complete Reflection of a Circle
- 5.16) Some Problems Related to Circles
- 5.17) Method to Find the Length and Sector of a Circle

- **This is the standard syllabus from Sindh Textbook Board (STB).**
- **This also for syllabus for students who are studying General Mathematics instead of Science Mathematics**
- **For a detailed breakdown of the paper pattern, including the specific marks distribution and sample questions, Jamiyat students are encouraged to refer to the official paper scheme provided by Kanz-ul-Madaris board international. This will offer precise guidance tailored to the 2026 examination format.**

➤ **Total Number Of Contents:-40 Required Credit hours:-180**

- **Note:** These are the main contents of each chapter. All the sub-contents are also included in this scheme of study.

Aama Duwam (10th) Class General Math Paper Pattern & Marks Scheme: Kanz-ul-Madaris for (Sindh) Boys 2025-26 (Total Marks=100, Passing Marks=40)				Time: 3:00 hrs.
S.N.	Chaptering	Description	Choice Questions	Marks
MCQs: Multiple Choice Questions (Section A) Objective Type				Marks=30
Q#1	Ch # 1-5	MCQs Having four options each	15 out of 15	15x2=30
SRQs: Short Response Questions (Section B) Subjective Type				Marks=30
Q#2-11	Ch # 1-5	SRQs 4 Definitions, 6 Short Questions	6 out of 10	6x5=30
ERQs: Extended Response Questions (Section C) Subjective Type				Marks=40
Q#12-17	Ch # 1-5	ERQs Detail Independent Questions	4 out of 6	4x10=40

Section A		Number of MCQ'S
Q No 1. MCQs (Objectives) 15x2=30		
Chapter No. 1	Fundamental Operations on Polynomials	3
Chapter No. 2	Formulae and Factors	3
Chapter No. 3	Algebraic Sentences, Matrices and Equations	3
Chapter No. 4	Geometry	3
Chapter No. 5	Practical Geometry	3
Total MCQs		15

Aama Duwam (10th) Class General Math (Sindh)

Short Response Questions (Section B): Answers to any 5 Questions. 5x6=30			Number of SRQs
Q# 2-3	Chapter No. 1	Fundamental Operations on Polynomials	2
Q# 4-5	Chapter No. 2	Formulae and Factors	2
Q# 6-7	Chapter No. 3	Algebraic Sentences, Matrices and Equations	2
Q# 8-9	Chapter No. 4	Geometry	2
Q# 10-11	Chapter No. 5	Practical Geometry	2
Total Short Response Questions			10

Extended Response Questions (Section C): Answers to any 4 Question. 4x10=40			Number of ERQs
Q# 12	Chapter No. 1	Fundamental Operations on Polynomials	1
Q# 13	Chapter No. 2	Formulae and Factors	1
Q# 14	Chapter No. 3	Algebraic Sentences, Matrices and Equations	1
Q# 15	Chapter No. 3	Algebraic Sentences, Matrices and Equations	1
Q# 16	Chapter No. 4	Geometry	1
Q# 17	Chapter No. 5	Practical Geometry	1
Total Extended Response Questions			6