

APPLIED MATHEMATICS				
Text Book	Publisher	Author		
Understanding ISC Mathematics	APC Books	M.L. Aggarwal		
Marks/ Scores- Written Exam-80 Marks				
Internal Assessment-20 Marks (10 Marks for Test + 10 Marks for Project Assignments)				
MARKING SCHEME				
Section	Type of Question	Marks per Question	Number of Question	Total Marks
A	Recall based Multiple Choice Questions(Q1 –Subpart)	1	8	8
A	Understanding based Multiple Choice Questions (Q1 –Subpart)	1	7	7
A	Application based Multiple Choice Questions (Q1 –Subpart)	1	3	3
A	Analysis based Multiple Choice Questions (Q1 –Subpart)	1	2	2
B	Application / Problem solving (Short answer) – Q2 to Q8	2	7	14
C	Application / Problem solving (Moderately long) –Q9 to Q15	3	7	21

D	Analysis / Higher application problems – Q16 to Q20	5	5	25
	Total		39 questions	80 marks
Study Materials/chapters (to be taught & studied) Term-1				
Chapter	Name	Marks weightage		
Chapter 1	Sets	20		
Chapter 5	Quadratic Equations	25		
Chapter 7	Linear and Quadratic Inequalities	25		
Chapter 16	Mathematical Reasoning	10		
Number of Test to be conducted in Term-1 : 02 (two)				
Mock Test Schedule/Date – Last week of April, 2026				
Project for Term-1				
Any One project prescribed in ISC syllabus booklet.				
Last Date of term 1 project submission – April 15, 2026				
Study Materials/chapters (to be taught & studied) Term-2				
Chapter	Name	Marks weightage		
Chapter 2	Relation and functions	8		
Chapter 3	Trigonometry	12		
Chapter 5	Complex Numbers	10		
Chapter 8	Permutations and Combinations	10		
Chapter 11	Straight Lines	10		
Chapter 12	Circles and Parabola	10		
Chapter 13	Limits and Derivatives	10		
Chapter 14	Statistics	10		

Number of Test to be conducted in Term-2 : 03 (three)

Mock Test Schedule/Date – Second week of Sept, 2026

Project for Term-2

Any One project prescribed in ISC syllabus booklet.

Last Date of term 2 project submission – Third week of July, 2026

**Study Materials/Chapters (to be taught & studied) in
Term – 3**

Chapter	Name	Marks Weightage
Chapter 2	Relation and functions (carried forward)	4
Chapter 3	Trigonometry (carried forward)	10
Chapter 4	Logarithms	10
Chapter 9	Binomial Theorem	10
Chapter 10	Sequence and Series	10
Chapter 13	Limits and Derivatives (carried Forward)	08
Chapter 15	Probability	06
Chapter 17	Compound interest and Annuity	10
Chapter 18	Taxation	06
Chapter 19	Utility Bills	06

Number of Tests to be conducted in Term-3: 02 (two)

Mock Test Schedule/Date: Last week of Nov, 2026

1.Project Works or Assignments. It is to be done in the school itself. Topics will be assigned by the teachers. The date and time will be given by the teachers in advance (a minimum of 02 weeks). During this period, the students are expected to collect the materials required for the given assignment. Then on the given day, the work is to be done in the school itself under the supervision of the teachers.

2.Percentage of questions in the examination: Questions in Class XI can be from any of the book based on council syllabus.

3.‘Analytical-type questions’ will be asked (in every exam) for the students of class XI so as to promote competency-based examinations. Analytical type of questions are to be asked: As per council prescribed syllabus.

4.Marks/Scores: Written Exams – 80 Marks, Internal Assessment – 20 Marks.

5.Written Examination Marks Scheme:

Type of question	How many
01 mark questions (MCQs, T/F, Fill up, application based)	20
02 marks questions(3 question internal choice)	07
03 marks questions (3 question internal choice)	07
5 marks questions (3 question internal choice)	05