

IAT 2022 Analysis

Chapters	Topic	Difficulty level	Prediction	Type of prediction
Limits	Algebra of limits	easy	Predicted	Question in mock
Relations + coordinate	locus	moderate to difficult		
Complex numbers	Roots	moderate	Predicted	Question in mock
Coordinate geometry	Locus	moderate	Predicted	Question in mock
Matrices	Number of skew symmetric matrices	difficult	Predicted	Question in mock
Coordinate geometry	Intersection of curves	moderate		
Area of curves	Common area of multiple curves	moderate to difficult	Predicted	Class notes
Matrices	System of equations	moderate	Predicted	Question in mock
Application of derivatives	Monotonicity of a trigonometric function	moderate	Predicted	Question in mock
Probability	Classic probability	easy to moderate	Predicted	Class notes
Progression	Extrapolation using AP	moderate	Predicted	Question in mock
Basic maths	Inequality solving	easy to moderate	Predicted	Class notes
3-d geometry	Equation of plane	easy to moderate	Predicted	Class notes
Binomial theorem	Coefficient of x	Difficult	Predicted	Question in mock
Polynomials	Roots of a cubic poly.	moderate	Predicted	Question in mock

- More than 80% of the questions were predicted either through mock tests or the class teaching.
- Most questions were related to the basics of the chapters yet required you to have **in-depth knowledge** to solve them.
- Algebra has the biggest share in the paper (7-8 questions) followed by Calculus (3-4), and coordinate geometry (3).
- Many questions did not require lengthy calculations, but rather key concepts.
- Most questions were moderate.
- There are no questions from statistics or mathematical reasoning.
- For non-maths students, there are at least 2-3 questions that can be solved easily.

