

PAPER ANALYSIS

CLASS-WISE DISTRIBUTION OF QUESTIONS

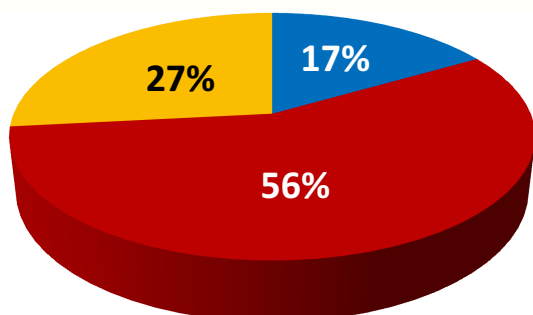
Class	Class-IX	Class-X	Class-XI
Question Number	Q.1, Q.6, Q.7, Q.17, Q.30	Q.2, Q.3, Q.4, Q.9, Q.10 Q.13, Q.14, Q.16, Q.18 Q.19, Q.20, Q.21, Q.22, Q.23, Q.25, Q.28, Q.29	Q.5, Q.8, Q.11, Q.12 Q.15, Q.24, Q.26 Q.27
Total	5	17	8

DIFFICULTY LEVEL

LEVEL	EASY	MODERATE	TOUGH
Question Number	Q.1, Q.2, Q.3 Q.5, Q.6,	Q.4, Q.7, Q.9, Q.10, Q.11, Q.13 Q.14, Q.15, Q.16, Q.17, Q.18 Q.19, Q.20, Q.21, Q.27, Q.30	Q.8, Q.12, Q.22, Q.23, Q.24, Q.25 Q.26, Q.28, Q.29
Total	5	16	9

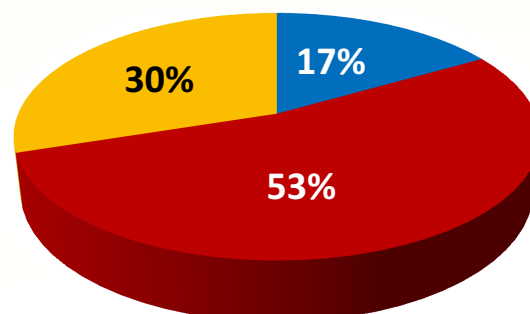
Classwise Distribution

■ CLASS-IX ■ CLASS-X ■ CLASS-XI



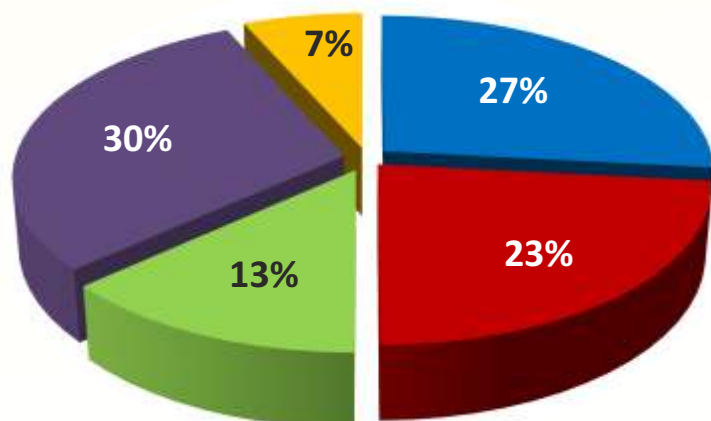
Levels of Questions

■ EASY ■ MEDIUM ■ DIFFICULT



TOPIC-WISE DISTRIBUTION OF QUESTIONS

Topics	Sub-Topics	Question No.
ALGEBRA	Operations on Rational Numbers	Q.7, Q.9
	Polynomials and Their Zeroes	Q.2, Q.8, Q.13
	Quadratic Equations	
	Miscellaneous Equations	Q.16
	Arithmetic Ratios, Time and work, Unitary Method	
	Sequence and Series	Q.12, Q.22
	Basics of Statistics	
NUMBER SYSTEM	Prime Decomposition	Q.14, Q.21
	Divisibility Test and Cyclicity	
	Number Theory	Q.3, Q.6, Q.18, Q.30
	Surds	
	Congruence of integers	Q.20
	Perfect Square Numbers	
	Greatest Integer Function, Fractional Part Function	
COMBINATORICS	Basic rule of counting	Q.5, Q.27
	npr and ncr	Q.15, Q.24
	Beggars and coins method, Multinomial Theorem, PIE	
GEOMETRY	Trigonometry	Q.4, Q.11
	Triangle Geometry	Q.25, Q.28, Q.29
	Circle Geometry	Q.10, Q.19
	Quadrilateral, Polygonal Geometry	Q.1, Q.23
INEQUALITY	Linear and Quadratic Inequality	Q.17, Q.26
	AM - GM Inequality	
	Cauchy Schwarz Inequality	
	Sum of square Technique	



Topicwise Distribution

- ALGEBRA
- NUMBER SYSTEM
- COMBINATORICS
- GEOMETRY
- INEQUALITY

OVERALL ANALYSIS

This year paper was little but easy as compared to the last year's paper. But as usual, MTA has put some really high order thinking based questions, which make students struggle too much with the problems. Solving this paper will be a great journey of 3 hours for all the mathematics lovers. Paper comprises of 9 questions from Geometry, 9 questions from number theory, 8 questions from Algebra, 4 from combinatorics and 2 from the inequality.

Most of the questions asked, are from Class X level (17 questions), followed by 8 questions from Class XI and 5 questions from Class IX.

If we talk about difficulty level, 16 questions were moderate, 9 were tough and 5 were easy. A very tough (Q.12) is asked in 3 marks and very simple (Q.30) is asked in 5 marks. So uneven distribution of question was seen in the paper. Paper was tough but some straight forward questions from Algebra and geometry will make students score little higher than last year.