



MODERN SCHOOL
DELHI/ FARIDABAD/NOIDA/Gr.NOIDA/VAISHALI
MATHEMATICS SYLLABUS
SESSION(2019-20)
CLASS VIII

BOOKS PRESCRIBED :

New learning mathematics (Avichal Publishing Company)

Half Yearly Examinations : 50% syllabus

MONTHS	UNITS/MARKS	CHAPTERS	ACTIVITIES
APRIL	CH-1(8)	Rational Numbers	
	CH-2(8)	Exponent and powers	Write the distance of 5 different planets from Earth & then convert that distances in usual or standard form.(PT-I)
MAY	CH-3(9)	Squares & Square Roots	To verify sum of 1 st n odd natural numbers is n^2 . (PT-II)
JULY	CH-11 (10)	Linear equation in two variables	
	CH-6(9)	Percentage and its Applications (percentage and profit & loss only)	
	CH-12(8)	Understanding quadrilaterals	
AUGUST	CH-16(9)	Data Handling	
	CH-15(8)	Mensuration (Area of rectilinear figures)	
	CH-8(6)	Direct variation	
			To verify that the sum of all angles of a quadrilaterals is 360° (Half-Yrly exam.activity)
SEPTEMBER	-	REVISION	

PT-I CH-1,2 + MAT +Activity

PT-II CH- 3,6 + MAT + Activity

Half Yearly Exam Syllabus: CH-1,2,3,6,8,11,12,15,16

MAT: (a) Number & letter series and odd one out

(b) Visual & numerical reasoning

Annual Examinations:(50% +30% Of Half Yrly syllabus.)

MONTHS	UNITS/MARKS	CHAPTERS	ACTIVITIES
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OCTOBER	CH-4(7)	Cube & Cube Roots	Make a table of cubes of first 10 odd nos.-(PT III)
	CH-14(6)	Visualising Solid Shapes	
		CH-9(7)	Algebraic Expressions and Identities
NOVEMBER	CH-10(6)	Factorisation	
	CH- 8(9)	Inverse variation and Time & work	
	CH-13 (6)	Practical Geometry	
DECEMBER	CH-7(6)	Compound interest	
	CH-17(6)	Introduction to Graphs	
JANUARY	CH-15(7)	Mensuration(surface area and volume)	
			To draw special type of quadrilaterals.(annual exam activity)
FEBRUARY	-	REVISION	

30% syllabus of half yearly examination:- chapter-11(6 marks) , chapter-16(9marks)

PT III CH-4, 14 + MAT + Activity
CH-5 Playing with numbers [Deleted]

MAT SYLLABUS :

- **PT-I** : Number & letter series and odd one out
- **PT-II** : Visual & numerical reasoning
- **PT-III** : Coding –Decoding and number relations

ANNUAL EXMIANATION SYLLABUS:

- **CH-4,7,8**(indirect variation and Time & work),9,10,11,13,14,15(surface area and volume),16,17
- **MAT-** (a)Visual & numerical reasoning
(b)Coding –Decoding and number relations

NOTE:

- Definitions/True or False/Fill ups will not be asked in Periodic Tests & exams.
- Weightage of marks:

Marking Scheme for PT[I-III]		Marking Scheme for Half yearly & Annual exams.	
Total Marks	30 marks	Total Marks	100 marks
Q. Paper	19 marks	Q. Paper	90 marks
MCQ'S/MAT(MCQ'S)	5 marks + 4marks	Activity	5 marks

Activity	2 marks	Note book	5 marks
Division of 19 marks of Question Paper		Division of 80 marks of Question Paper(80= 75+5)	
3 ques- 2 marks each	6	10 ques MCQ-1 mark each	10
3 ques-3 marks each	9	7 ques-2 marks each	14
		9 ques-3 marks each	27
1 ques- 4 marks each	4	6 ques-4 marks each	24
		5ques MAT-1marks each	5
TOTAL	18	TOTAL	80

- a) Weightage of the question paper will be done according to the above table.
b) MCQ'S must have options like (a,b,c,d)
c) Marks distribution of 80 marks for question paper will be according to the blue print.
d) Assignments of each chapter of book and MAT must be given to the student.



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BLUE PRINT FOR HALF-YEARLY EXAMINATION:-

<u>NAME OF CHAPTER</u>	<u>1MARKS QUEST.</u>	<u>2MARKS QUEST</u>	<u>3MARKS QUEST</u>	<u>4MARKS QUEST</u>	<u>TOTAL MARKS</u>
Rational Numbers	-	2	-	1	8
Exponent and powers	1	2	1	-	8
Square and square roots	-	1	1	1	9
Linear equation in two variables	1	1	1	1	10
Percentage and its Applications	2	-	1	1	9
Understanding quadrilaterals	2	-	2	-	8
Data Handling	2	-	1	1	9
Direct variation	1	1	1	-	6
Mensuration	1	-	1	1	8
MAT	5	-	-	-	5
TOTAL MARKS	15	14	27	24	80

BLUE PRINT FOR FINAL EXAMINATION:-

<u>NAME OF CHAPTER</u>	<u>1MARKS QUEST.</u>	<u>2MARKS QUEST</u>	<u>3MARKS QUEST</u>	<u>4MARKS QUEST</u>	<u>TOTAL MARKS</u>
Cubes & Cube Roots	1	-	2	-	7
Algebraic Expressions and Identities	2	1	1	-	7
Factorisation	-	1	-	1	6
Inverse variation and time & work	1	1	2	-	9
Linear equation in two variables	2	-	-	1	6
Visualising Solid Shapes	1	1	1	-	6
Practical Geometry	-	1	-	1	6
Compound interest	-	1	-	1	6
Data Handling	2	-	1	1	9
Introduction to Graphs		1	-	1	6
Mensuration	1	-	2	-	7
MAT	5	-	-	-	5
TOTAL MARKS	15	14	27	24	80

CLASS VIII MATHS ASSIGNMENT SCHEDULE

Assignment -1 Chapter-1,2,3 + MAT(Number and letter series, odd one out)

Assignment -2 Chapter-11,6,12 + MAT(Visual and numerical reasoning)

Assignment -3 Chapter-16,15,8

Assignment -4 Chapter-4,14,9 + MAT(Coding decoding and number relation)

Assignment -5 Chapter-10,8,13

Assignment -6 Chapter-7,17,15