



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

BOOKS PRESCRIBED :

New learning mathematics (Avichal Publishing Company)

Half Yearly Examination: 50% syllabus

MONTHS	UNITS/MARKS	CHAPTERS	ACTIVITIES
APRIL	CH-1 (8)	Integers	To verify commutative property of addition for whole numbers.(PT-I)
	CH-4 (8)	Exponents and powers	
MAY	CH-16(11)	Data Handling (Excluding probability)	
JULY	CH-2(12)	Fractions	
	CH-10(8)	Triangle and its properties	The sum of all three angles of a triangle is 180^0
	CH-15(8)	Visualising solid shapes	
AUGUST	CH-8(12)	Percentage and its applications	
	CH-5(8)	Algebraic Expression	
			To draw any 3 solid shapes with their nets by paper cutting or folding method(half yearly activity)
SEPTEMBER		REVISION/ HALF YEARLY EXAMINATION	

PT-I (24+04+02) CH-1,4 + MAT + Activity

PT-II (24+04+02) CH-2,16 + MAT + Activity

Half Yearly Exam Syllabus: CH-1,2,4,5,8,10,15,16

**MAT (5 marks): (a) Number & letter series and odd one out
 (b) Visual & numerical reasoning**

Final Examination : 50 % syllabus + 30% of half yearly syllabus

MONTHS	UNITS/MARKS	CHAPTERS	ACTIVITIES
OCTOBER	CH-3(8)	Rational Numbers	
	CH – 9(7)	Lines and angles	Show vertically opposite angles are equal by paper cutting and pasting .(PT-III)
NOVEMBER	CH-2 (6)	Decimals	

	CH-7(7)	Ratio and proportion	
DECEMBER	CH-13(11)	Perimeter and area	
	CH-11(6)	Congruence of triangles	
	CH-12(7)	Practical geometry	
JANUARY	CH-6(7)	Linear Equations	
			To find area of triangle by paper cutting & pasting.
FEBRUARY	-	REVISION	-

30% syllabus of half yearly examination:- chapter-10(9 marks) , chapter-16(7marks)

Chapter 14 : Symmetry deleted

PT III [24+04+02]: CH-3,9 +MAT + Activity

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-2(Ex:- 2.5-2.7),3,6,7,9,10,11,12,13,16 (Ex:- 16.1 – 16.3) [75 marks]**

MAT (5 marks)-

- Visual & numerical reasoning
- 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 and final exam	
Total Marks	30 marks	Total Marks	100 marks
Q. Paper	19 marks	Q. Paper	80 marks
		Oral	10 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 Q 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	19		
		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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CLASSVII

BLUE PRINT FOR HALF YEARLY EXAMINATION QUESTION PAPER

Sr. No.	CHAPTERS/MARKS	1 MARK	2 MARKS	3 MARKS	4 MARKS	TOTAL
1	Ch- 1 Integers(8)	-	1	2	-	8
2	Ch- 4 Exponents and powers(8)	1	2	1	-	8
3	Ch- 16 Data handling(11)	2	1	1	1	11
4	Ch- 10 Triangle and its properties(8)	2	1		1	8
5	Ch-2 Fractions (12)	2	-	2	1	12
6	Ch- 15 Visualising solid shapes(8)	2	1	-	1	8
7	Ch-12 Percentage and its properties(12)	-	1	2	1	12
8	Ch- 5Algebraic Expressions(8)	1	-	1	1	8
9	MAT	5	-	-	-	5
	Total	15x1=15	7x2 = 14	9x3 = 27	6x4 = 24	80

BLUE PRINT FOR ANNUAL EXAMINATION QUESTION PAPER

Sr. No.	CHAPTERS/MARKS	1 MARK	2 MARKS	3 MARKS	4 MARKS	Total
1	Ch- 3 Rational numbers(8)	1	2	1	-	8
2	Ch- 2 Decimals(6)	1	1	1	-	6
3	Ch- 9 Lines and angles(7)	1	1	-	1	7
4	Ch- 7 Ratio & proportion(7)	1	1	-	1	7
5	Ch-13 Perimeter and area(11)	1	-	2	1	11
6	Ch- 11 Congruence of triangles(6)	1	1	1	-	6
7	Ch-12 Practical geometry(7)	-	-	1	1	7
8	Ch- 6 Linear Equations(7)	1	-	2	-	7
9	Ch- 10 Triangle & its properties(9)	2	-	1	1	9
10	Ch- 16 Data handling(7)	1	1	-	1	7
11	MAT	5	-	-	-	5
	Total	15x1=15	7x2 = 14	9x3 = 27	6x4 = 24	80

CLASS: VII MATHS ASSIGNMENT SCHEDULE

Assignment 1 : Chapters- 1,4,16 + MAT (Number & letter Series, Odd one out)

Assignment 2: Chapters-2,10,15 + MAT (Visual and Numerical Reasoning)

Assignment 3: Chapters-8,5

Assignment 4: Chapters-3,9,2 + MAT (Coding- Decoding & Number Relations)

Assignment 5: Chapters-7,13,11

Assignment 6: Chapters-12,6