

CLASS X (2018 -2019)
MATHEMATICS
SPLIT- UP SYLLABUS

CALENDER	CHAPTE R	CONTENTS	INDIVIDUAL ACTIVITY/PROJECT
April 2 – 15	1	Number system	1. Graphical solutions of linear equations in two variable (Three cases) & To find conditions of (i) Unique solution (ii) No solution & (ii) Infinitely many solutions
April 16 – 30	2	Polynomials	
	2	Polynomials (eunitnoc)	
MAY 1 -11	3	Linear equations in two variables	
	3	-do- (continue)	

SUMMER VACATION FROM 12th MAY 2018 TO 1st JULY 2018

CALENDER	CHAPTER	CONTENTS	INDIVIDUAL PROJECT
JULY 2– 15	6	Triangles	2. To verify medians of a triangle are concurrent & centroid of a triangle divides each of the medians in the ratio 2:1 3. Verification of basic proportionality theorem 4. Verification of Pythagoras theorem. 5. To verify that ratio of areas of two similar triangles is equal to ratio of squares of
JULY 16 – 31	6	-do- (continue)	
	8	Introduction to trigonometry	
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			their corresponding sides.
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PERIODIC TEST – I 16 JULY ONWARDS

SYLLABUS FOR PERIODIC TEST-I

Chapter 1, 2 and 3

Mode of Internal Assessment (20 Marks)

1. Periodic Test-I 40 Marks → Condensed to 10 Marks
2. Note Book Submission 5 Marks
3. Lab Practical Work 5 Marks

CALENDER	CHAPTER	CONTENTS	INDIVIDUAL PROJECT
AUG 1 - 15	8 (continue)	Introduction to trigonometry	
	9	Application of Trigonometry (height and distance)	
Aug 16-31	14	Statistics	
SEP 1 – 15	4	Quadratic Equations	
SEP 16 - 30	5	Arithmetic Progression & revision for half yearly.	1. To check whether the given sequence is on A.P. or not. 2. To find the sum of first n- Odd natural numbers 3. To find the sum of first n- positive integers. 4. To find the sum of first n terms of an A.P.

HALF YEARLY EXAMINATION – 26 SEP ONWARDS

SYLLABUS FOR HALF YEARLY EXAM :- Chapters 1, 2, 3, 4, 5, 6, 8 and 9

Making scheme for HALF YEARLY EXAM

SECTION - A :	1 x 6 = 6 Marks
SECTION - B :	2 x 6 = 12 Marks
SECTION - C :	3 x 10 = 30 Marks
SECTION - D :	4 X 8 = 32 Marks

TOTAL 30 QS = 80 Marks

MODE OF ASSESSMENT

Mode of Internal Assessment (20 Marks)

1. Half Yearly Exam 80 Marks → Condensed to 10 Marks
2. Note Book Submission 5 Marks

3. Lab Practical Work 5 Marks

CALENDER	CHAPTER	CONTENTS	INDIVIDUAL PROJECT
OCT 1-12	7	Coordinate Geometry	5. To find area of a triangle if triangle's Position in coordinates system is changed.

AUTUMN BREAK FROM 15th OCT 2018 TO 24TH OCT 2018

OCT 25 -31	Chapter 7 continue	Coordinate Geometry	
NOV 1 - 15	10 11	Circles Constructions	1. Pair of Tangent to a circle by paper folding
NOV 16 - 30	12 13	Areas related to Circles Surface area of Volumes	

PERIODIC TEST – II FROM 26 Nov 2018 ONWARDS

SYLLABUS FOR PERIODIC TEST-II

Chapter 7, 10, 11 and 12

Mode of Internal Assessment (20 Marks)

- 1. Periodic Test-II 40 Marks → Condensed to 10 Marks**
- 2. Note Book Submission 5 Marks**
- 3. Lab Practical Work 5 Marks**

CALENDER	CHAPTER	CONTENTS	INDIVIDUAL PROJECT
DEC 1 - 15	13 continue 15	Surface area of Volumes Probability	

DEC 16 – 22	Revision for Preboard-I	Revision for Preboard-I	

PRE-BOARD-I FROM 8 JAN 2019 ONWARDS
SYLLABUS FOR PRE-BOARD-I 100% SYLLABUS
Chapter 1 TO 15
Marking Scheme (As per Half Yearly Exam)

JAN 5 – 15, 2019	Revision for Preboard-I	Revision for Preboard-I	
JAN 16 – 31, 2019	Revision for Mock Test (Improvement of Performance)	Revision for Mock Test (Improvement of Performance)	--

MOCK TEST (FOR IMPROVEMENT OF PERFORMANCE) FROM 4 FEB 2019 ONWARDS
SYLLABUS AS PER PREBOARD-I= 100% SYLLABUS
Chapter 1 TO 15
Marking Scheme (As per Half Yearly Exam)

FEB 1 - 15, 2019	Mock Test		
FEB 16 - 28, 2018	Revision for Final Exam	Revision for Annual Exam	--
MAR 1 - 15, 2018			
MAR 16 - 31, 2018	Final Exam (As per CBSE Schedule)		
	-do-		

FINAL EXAM : As per CBSE Schedule**SYLLABUS FOR ANNUAL EXAM :- Chapters 1 TO 15****Making scheme for ANNUAL EXAM**

SECTION - A : 1 x 6 = 6 Marks

SECTION - B : 2 x 6 = 12 Marks

SECTION - C : 3 x 10 = 30 Marks

SECTION - D : 4 X 8 = 32 Marks

TOTAL 30 QS = 80 Marks

MODE OF INTERNAL ASSESSMENT (20 MARKS)

- 1. Written Test (Average of Best Two of Periodic Test and Half Yearly) → 10 Marks**
- 2. Note Book Submission 5 Marks (Average of Best Two of Periodic Test and Half Yearly)**
- 3. Lab Practical Work 5 Marks (Average of Best Two of Periodic Test and Half Yearly)**

COURSE STRUCTURE – X (As Per CBSE)

Units	Unit Name	Chapters
I	Number Systems	<u>Real Numbers</u>
II	<u>Algebra</u>	i) <u>Polynomial</u> ii) <u>Linear Equation in two variables</u> iii) <u>Quadratic Equations</u> iv) <u>Arithmetic Progression</u>
III	<u>Coordinate Geometry</u>	<u>Coordinate Geometry (Lines in two dimensions)</u>
IV	<u>Geometry</u>	i) <u>Triangles</u> ii) <u>Circles</u> iii) <u>Constructions</u>
V	<u>Trigonometry</u>	i) <u>Introduction to Trigonometry</u> ii) <u>Trigonometric Identities</u> iii) <u>Heights and distances</u>

VI	<u>Mensuration</u>	iv) <u>Areas related to circles</u> v) <u>Surface area and volumes</u>
VII	<u>Statistics and Probability</u>	i) <u>Statistics</u> ii) <u>Probability</u>