

SAINIK SCHOOL AMBIKAPUR
CHHATTISGARH
WINTER VACATION HOMEWORK (2022-23)

Class IX

Subject: Mathematics

Class	Subject : Maths	Teacher : Raj kumar
Ser	Items	Details
1.	Syllabus for PT - III	(i) Areas of parallelograms and Triangles (ii) Circles (iii) Surface Areas and Volume (iv) Statistics
2.	Revision Homework / Assignment	(i) Solve Exercise :9.3 (Areas of parallelograms and Triangles) (ii) Solve Exercise : 10.6 (Circles) (iii) Solve Exercise : 13.9 (Surface Areas and Volume) (iv) Solve Exercise : 14.4 (Statistics)
3.	Subject Capacity Building Assignment	Activity : (i) To construct a square root spiral. (ii) To represent some irrational numbers on the number line. (iii) To verify that the sum of the angles of a triangle is 180° . (iv) To verify experimentally that the parallelograms on the same base and between same parallel lines are equal in area. (v) To verify that the angles in the same segment of a circle are equal (vi) To form a cuboid and find the formula for its surface area experimentally. (vii) To find a formula for the curved surface area of a right circular cylinder, experimentally. (viii) To draw histograms for classes of equal widths and varying widths. (ix) To find experimental probability of unit's digits of telephone numbers listed on a page selected at random of a telephone directory. (x) To find experimental probability of each outcome of a die when it is thrown a large number of times.
4.	Preparatory Work for Units/ Chapters to be covered after	Statistics and probability .