# SAINIK SCHOOL CHANDRAPUR <br> MINISTIRY OF DEEENGE <br> ज्ञानाय दानाय च रक्षणाय 

## ACADEMIC SESSION 2023-24

Winter Vacation Task
SUB:- MATHEMATICS
Class :- X

Dear cadets, kindly write the given practicals in the practical record book and submit it on the day of submission. After vacations, we will discuss these practicals.

1) To make a right circular cylinder of given height and circumference of base.
2) To determine the area of a given cylinder. To obtain the formula for the lateral surface area of a right circular cylinder in terms of the radius ( $r$ ) of its base and height ( $h$ ).
3) To give a suggestive demonstration of the formula for the volume of a right circular cylinder in terms of its height (h) and radius (r) of the base circle.
4) To make a cone of given slant length (I) and base circumference (2pr).
5) To give a suggestive demonstration of the formula for the lateral surface area of a cone.
6) To give a suggestive demonstration of the formula for the volume of a right circular cone.
7) To give a suggestive demonstration of the formula for the surface area of a sphere in terms of its radius.
8) To give a suggestive demonstration of the formula for the volume of a sphere in terms of its radius.

## Complete all practicals from the site -

"Guidelines for Mathematics Laboratory in Schools Class - X".

