STEPPING STONE SCHOOL (HIGH)

CLASS – IX

SUBJECT:PHYSICS Date – 27/04/ 2020

Chapter- MEASUREMENT (Pt. I) Time limit: 30 minutes

WORKSHEET- 1

.**Definition:**

Measurement: It is the process of comparison of the given physical quantity with known standard quantity of same nature.

Unit: Quantity of constant magnitude which is used to measure the magnitude of other quantities.

2 types of Units:

(1)Fundamental

(2)Derived

System of Units:

(1)CGS

(2)MKS or SI

(3)FPS units

Copy the questions and solve them on a sheet of paper date wise. Keep the worksheets ready in a file to be submitted on the opening day.

Exercise

(1) What are the three requirements for selecting a unit of a physical quantity?

(2) Name the three fundamental quantities.

(3) Name the three systems of unit and state the various fundamental units in them.

(4) Explain the meaning of derived unit with the help of one example.

(5) Name the three convenient units used to measure length ranging from very short to very long value.

(6) Name the S.I unit of mass and define it.

(7) State two units of mass smaller than a kilogram. How are they related to a kilogram?

(8) Name the S.I unit of time and define it.

(9) Name two units of time bigger than a second. How are they related to second?

(10) What is a leap year?