STEPPING STONE SCHOOL (HIGH)

CLASS: 6

Subject: Physics **Topic: Answer-Script**

Answer to Worksheet No. :13 to 15

Worksheet No – 13 (Date-29/06/2020)

Q1. Fill in the blanks.

i. Units of area and speed are called **derived** units.
ii. The SI unit of length is **meter**.
iii. The SI unit of mass is **kilogram**.
iv. In CGS system length is measured in **centimetre**.
v. The SI unit of time is **second**.

Q2. Write true or false. Correct the false statement.

i. Density is a derived physical quantity. **true**
ii. The SI unit of temperature is degree centigrade. **False**
The SI unit of temperature is **kelvin**
iii. Fundamental unit of length in SI system is metre. **true**
iv. The unit of area is derived from the unit of length. **true**
v. The quantities that depend on other physical quantity are known as Fundamental physical quantities. **False**
The quantities that depend on other physical quantity are known as **derived physical quantity.**

Worksheet No – 14 (Date-01/06/2020)

Fill in the blanks

1. The SI unit of area is **square meter**.
2. A beam balance measures the **mass** of an object.

3. Mass of a body is a measure of the quantity of matter contained in it.
4. Units of area, volume and density are called derived units.
5. The volume of a liquid can be measured by using a measuring cylinder.
6. The SI unit for measuring mass is Kg.
7. The space occupied by a body is called its matter.
8. SI Units are accepted all over the world.
9. Volume of irregular bodies can be determined by using a measuring cylinder.
10. Volume of liquid is measured in litre.

Match the following.

1. 1 litre (1000 millilitre)	scale
2. 1 quintal (100 kg)	Beam balance
3. Mass (Beam balance)	1000 millilitre
4. Measuring cylinder (volume)	100 kg
5. Length (scale)	volume

Worksheet No – 15 (Date-03/06/2020)

Fill in the blanks.

i. The SI unit of time is second.
ii. A clinical thermometer is used to measure the temperature of human body.
iii. The SI unit of temperature is kelvin.
iv. The normal human body temperature is 37^{0}C or 98.6^{0}F.
v. A stop watch or a stop clock is used for measuring short time intervals.

Write true or false. Correct the false statements.

i. The SI unit of temperature is degree centigrade. False
The SI unit of temperature is kelvin
ii. A laboratory thermometer is used to measure human body temperature. False

A clinical thermometer is used to measure human body temperature.

iii. In 24-hour clock, 3 am will be shown as 15:00 hours. False
In 24-hour clock, 3 am will be shown as 03:00 hours.

iv. The normal human body temperature is 37°F. false
The normal human body temperature is 37°C

v. The total number of division between two fixed points in Celsius scale is 90. False
The total number of division between two fixed points in Celsius scale is 100.

Question- What are the SI units of the following physical quantities?

i. Mass(kilogram)
ii. Length(meter)
iii. Time(second)
iv. Area(square metre)
v. Volume(cubic metre)
vi. Temperature(kelvin)

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