Chapter 2: Physical Quantities and Measurement

Worksheet 1

1. Write T for true and F for false statement.

(a) The SI unit of time is second.

(b) Prefix centi means one-thousandth part.

(c) Railway time tables use 24-hour clock.

(d) Laboratory thermometer is used to measure the temperature of human body.

(e) Surface area of an irregular-shaped object can be determined by using a graph paper.

2. Encircle the odd one out.

(a) Kilogram, metre, second, temperature

(b) Sundial, pendulum clock, stopwatch, measuring tape

(c) Fahrenheit scale, celsius scale, kelvin scale, clinical thermometer

(d) Measuring tape, metre rod, measuring scale, beam balance

(e) Centimetre, kilometre, metre, kilogram

3. Answer the following questions.

(a) What is measurement?

(b) How many millimetres make 1 metre?

(c) Name the device used for weighing an object.

(d) Define mass.

(e) What is the SI unit of temperature?

4. Solve the following numerical problems.

(a) How many kilometres make 6000 m?

(b) How many centimetres are there in 1.5 km?

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Worksheet 2

1. Tick the correct answer.

(i) The SI unit of current is

(a) metre (b) second (c) ampere (d) mole

(ii) 100 kg is equal to

(a) 1 quintal (b) 10 quintals (c) 100 quintals (d) 5 quintals

(iii) If a 24-hour clock shows the time 23 : 20 hours, it means

(a) 11 : 20 pm (b) 11 : 20 am (c) 10 : 20 am (d) 10 : 20 pm

(iv) Which measuring device is used by a tailor?

(a) Metre rod (b) Measuring scale (c) Thread and a ruler (d) Measuring tape

(v) The normal temperature of human body is

(a) 99°F (b) 98.6°F (c) 97°F (d) 95°F

2. Match the columns.

Column A	Column B
(i) Luminous intensity	(a) mole
(ii) Time	(b) candela
(iii) Mass	(c) metre
(iv) Amount of a substance	(d) kilogram
(v) Length	(e) second

3. Name the following.

(i) Name the thermometer used to measure the human body temperature.

(ii) This is the SI unit of area.

(iii) This is the degree of hotness or coldness of a body.

(iv) The error occurring due to incorrect positioning of the eye.

(v) This balance is used to measure the mass of an object precisely.

4. Answer the following questions.

(i) What is the range of temperature of laboratory thermometer?

(ii) What is called the quantity of matter contained in the given object?

(iii) Name two commonly used balances.

(iv) Define stem.

(v) Name the amount of surface occupied by an object or a plane figure.