

## Chapter-2

**PHYSICAL QUANTITIES AND MEASUREMENT**

## I. MULTIPLE CHOICE QUESTIONS (1 MARKS)

The symbol of degree Celsius is

- a. °C
  - b. °F
  - c. K
  - d. °K
2. 10mm is equal to
- a. 1cm
  - b. 1m
  - c. 10dm
  - d. 10cm
3. The amount of surface occupied by an object is called its
- a. Volume
  - b. Area
  - c. Mass
  - d. Length
4. A metre ruler is graduated in
- a. M
  - b. Cm
  - c. Mm
  - d. Km
5. A thermometre is graduated in
- a. Kelvin
  - b. °C
  - c. G
  - d. Cm

## VERY SHORT ANSWER TYPE QUESTIONS (1 MARK)

1. Fill in the blanks

(a) The S.I. unit of length is \_\_\_\_\_ of time is \_\_\_\_\_ of mass is \_\_\_\_\_ .

(b) °C is the unit of \_\_\_\_\_.

(c) 1 metre tonne = \_\_\_\_\_ .

(d) The zero mark in Celsius thermometer is the melting point of \_\_\_\_\_ .

(e) The thermometer used to measure the human body is called the \_\_\_\_\_ thermometer.

(f) The normal temperature of human body is \_\_\_\_\_ °C or, \_\_\_\_\_ °F.

(g) The \_\_\_\_\_ of an object is measured with the help of a beam balance.

#### SHORT ANSWER TYPE QUESTIONS (2 MARKS)

1. What are the S.I. units of

- mass
- length
- time and
- temperature.

Write their names and symbols.

2. What is measurement? How is a measurement expressed?

#### SHORT ANSWER TYPE QUESTIONS (3 MARKS)

1. Describe in steps how would you measure the length of a pencil using a metre rule. Draw a diagram if necessary.

(b) Explain with an example how you will use the metre ruler in part (a) if the ends of ruler are broken.

2. Name the device which you will use to measure the perimeter of your play ground. Describe in steps how you will use it.

#### LONG ANSWER TYPE QUESTIONS (5 MARKS)

1. What is a clinical thermometer? State its special feature. Draw a labeled neat diagram of a clinical thermometer showing the range of temperature marked on it.

What is the normal temperature of the human body? How is it indicated in a clinical thermometer?

2. How are the units  
square yard

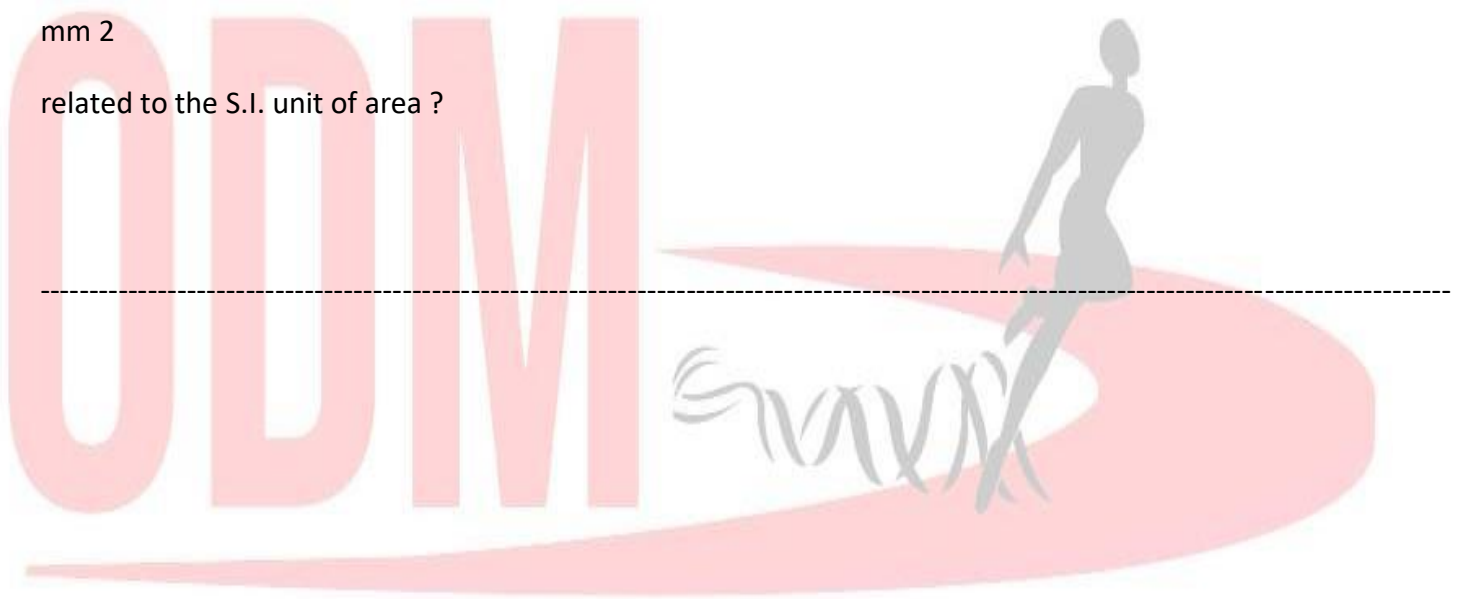
hectare

km<sup>2</sup>

cm<sup>2</sup>

mm<sup>2</sup>

related to the S.I. unit of area ?



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