

## Extra Questions ch-2

Date 14/7/21

Page

Q) Define one kilogram, the SI unit of mass. How is it related to

- i) quintal
- ii) metric tonne
- iii) gram.

Ans- The mass of 1 litre of water at  $4^{\circ}\text{C}$  is taken as 1 kg

- i) 1 quintal = 100 kg
- ii) 1 metric ton = 10 quintal = 1000 kg
- iii)  $1\text{g} = \frac{1}{1000}\text{kg} = 10^{-3}\text{kg}$

Q) Name and define the SI unit of time. How is it related to.

- i) minute
- ii) hour
- iii) day
- iv) year

Ans - The SI unit of Time is Second (s)

i)  $1 \text{ min} = 60 \text{ s}$

ii)  $1 \text{ h} = 60 \text{ min} = 3600 \text{ s}$

iii)  $1 \text{ day} = 24 \text{ h} = 86400 \text{ s}$

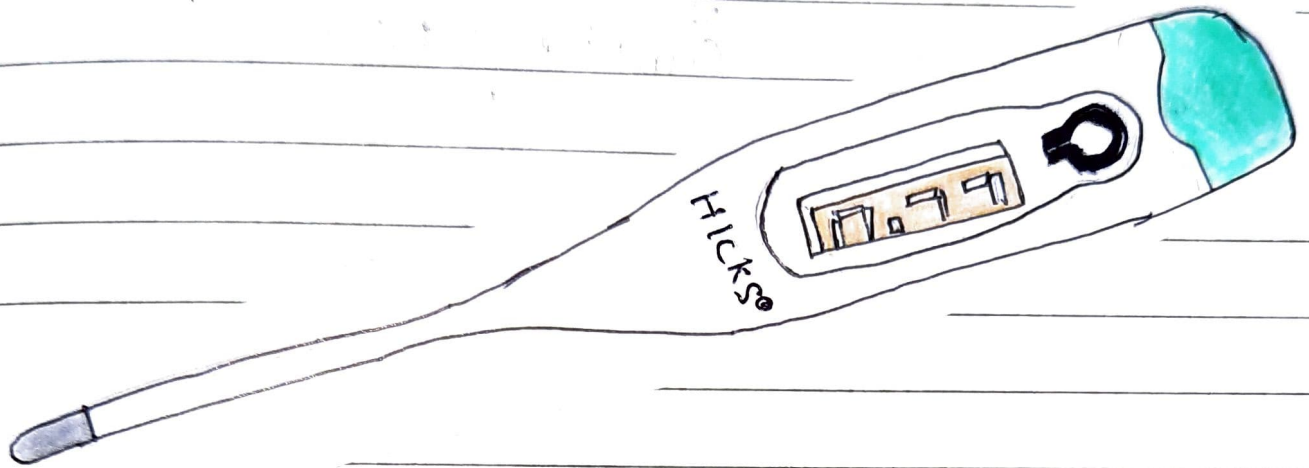
iv)  $1 \text{ year} = 365 \text{ days} = 3.15 \times 10^7 \text{ s}$

Q) Name the SI unit and one common unit of temperature. Write their symbols also.

Ans - The SI unit of temperature is kelvin (symbol K), and the common ~~and~~ unit of temperature is ~~is~~ ~~degrees~~ centigrade (symbol  $^{\circ}\text{C}$ ).

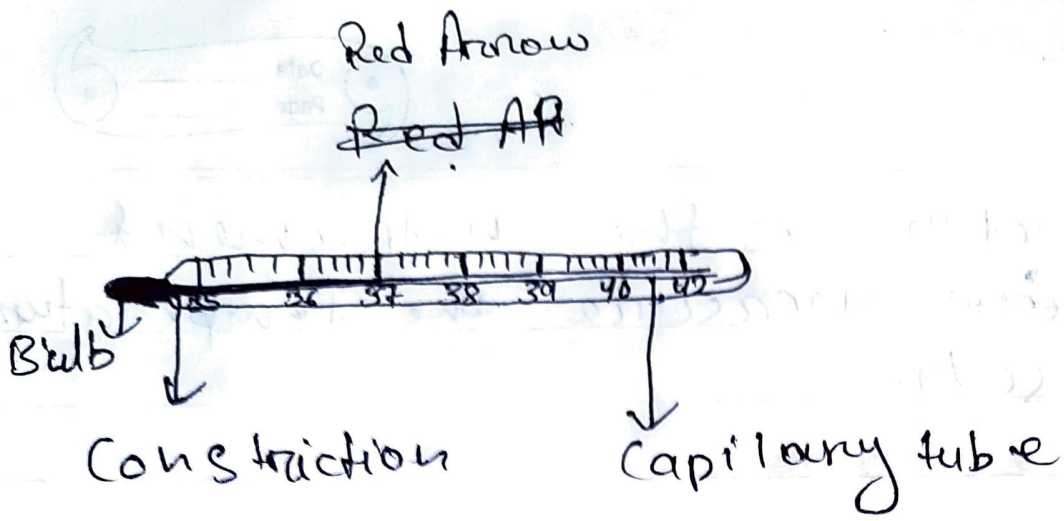
Q) Name the instrument used for measuring of the temperature of a person. Draw its neat ~~diagram~~ and labelled diagram.

Ans. Thermometer is the instrument to ~~measure~~ measure the temperature of a person.



Q) What is a clinical thermometer showing the range of temperature marked on it.

Ans. Doctors use a special thermometer called the clinical thermometer. It is used for ~~mark~~ measure the temperature of a patient's body. Its range is between  $35^{\circ}\text{C}$  to  $42^{\circ}\text{C}$ .



The clinical thermometer is used to measure the temperature of the body.

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