H.W.
18/07/21

Date
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Q. Define one kilogram, the S.I unit of mass. How it related to (i) quintal (ii) metric tonne and (iii) gram?

Ans- One kilogram was defined as the mass of a cylinder of platinum-iridium alloy kept at the International Bureau of Weights ~~of~~ and Measures at Sevres near Paris.

(i) Quintal: 1 quintal = 100 kg
(ii) metric tonne: 1 metric tonne = 10 quintal = 1000 kg.
(iii) Gram: $1\ g = \frac{1}{1000}\ kg = 10^{-3}\ kg$

Q Name and define the S.I unit of time. How it is related to (i) minute (ii) hour (iii) day and (iv) year.

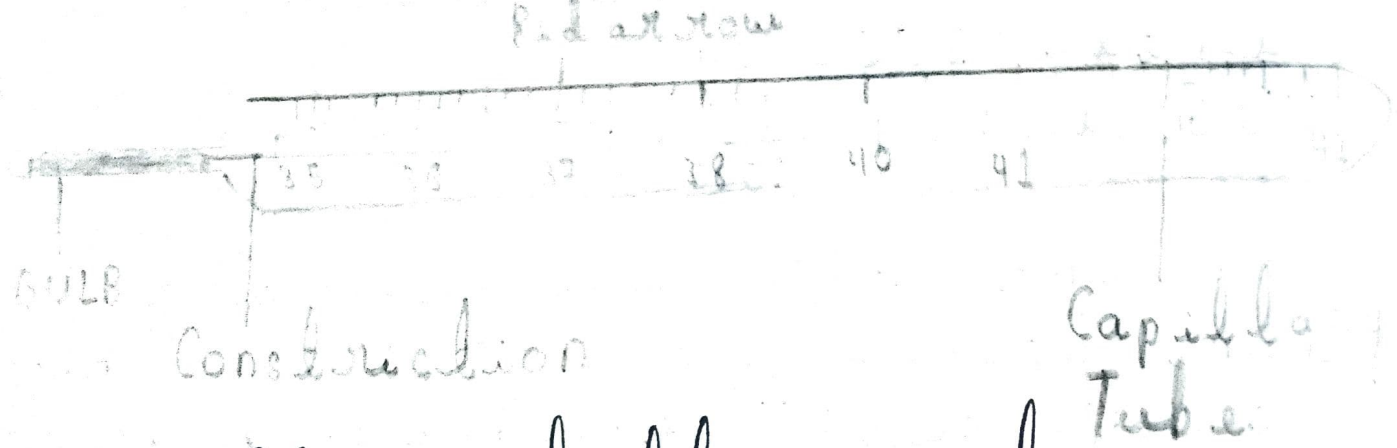
Ans- The S.I unit of time is second (s).

1 min = 60 s
1 h = 60 min = 3600 s
1 day = 24 h = 86400 s
1 year = 365 days = 3.15×10^7 s

Q. Name the S.I. unit and one common unit of temperature ~~and~~ Write their symbol also.

Ans - The S.I. unit of temperature is kelvin (symbol K)

One common unit of temperature is Degree fahrenheit (symbol °F)



Clinical thermometer

Q. Name the instrument used for measuring of the temperature of a person. Draw its labeled neat diagram.

Ans- The instrument used for measuring the temperature of a person is a clinical thermometer.

A clinical thermometer has markings from 35°C to 42°C. It has a slight bend or tint in the stem just above the bulb. This tint is called constriction. This constriction prevents the mercury from falling back all by itself. The temperature of a healty person is 37°C. This temperature is marked by ~~red~~ a red arrow

Clinical thermometers ~~marked~~ marked in °F are also available. They have markings from 95°F to 110°F. The red arrow indicating the temperature of a healthy person is at 98.6°F.