

Hw = 14/12/21

Q. Define one kilogram, the S.I. unit of mass. (i) quintal
(ii) metric tonne (iii) gram

Ans = 1 kilogram is defined as the mass of a cylinder of platinum-iridium alloy kept at the international bureau of weights and measures at severes near Paris.

$$1 \text{ quintal} = 100 \text{ kg}$$

$$1 \text{ metric tonne} = 10 \text{ quintal} = 1000 \text{ kg}$$

$$1 \text{ gram} = \frac{1}{1000} \text{ kg}$$

Q. Name and define the SI unit of time. How it is related to minute, hour, day and year.

Ans = The S.I. unit of is second.

One second is defined as $\frac{1}{86400}$ part of a mean solar day.

1 min = 60 seconds

1 hr = 3600 seconds

1 day = 86400 seconds

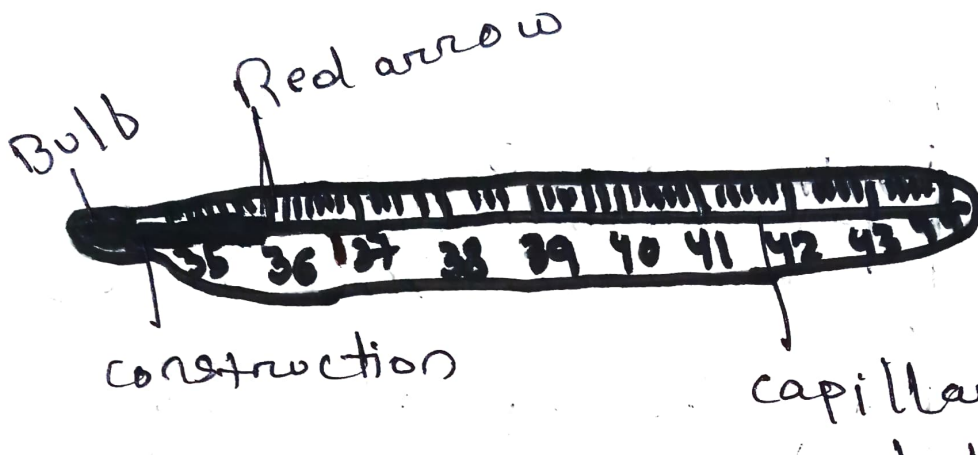
1 year = 25653600 seconds

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

Ans: The S.I. unit and one common unit of temperature is Kelvin (K).

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

Ans: Instrument used for measuring the temperature of a person is clinical thermometer.



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

Ans: Doctors used a special thermometer to measure a patient's body called clinical thermometer.
 It can only measure from 35°C to 42°C .

