

Page \_\_\_\_\_

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

A A clinical thermometer is used for measuring temperature of a person.

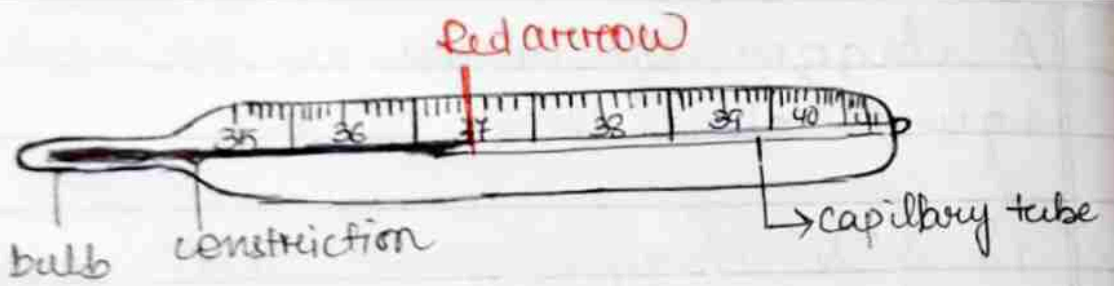
Q 20 Write the 'temperature'. -

i) ~~Melt~~ Melting ice  $0^{\circ}\text{C}$

ii) boiling water  $100^{\circ}\text{C}$

21 What is a clinical thermometer? State its special features. Draw a neat labelled diagram of clinical thermometer showing the range of temperature mark on it.

A A clinical thermometer has marking from  $35^{\circ}\text{C}$  to  $42^{\circ}\text{C}$ . It has slight bend or kink in the stem just above the bulb. The kink is called constriction. This constriction prevents the mercury from falling back by itself. The temperature of body



Thermometer .

temperature of a fit healthy person is  $37^{\circ}\text{C}$ . This temperature is marked by a red arrow.

→ Doctors use a special thermometer called the clinical thermometer for measuring the temperature of a patient's body.

Q. Define temperature. Explain the unit of temperature.

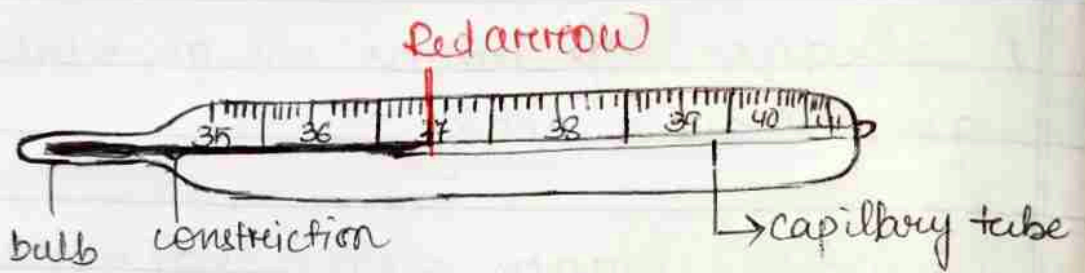
→ The temperature is the measurement of degree of hotness or coldness of an object. The unit of temperature are Kelvin, Degree Celsius ( $^{\circ}\text{C}$ ) Degree Fahrenheit ( $^{\circ}\text{F}$ ).

Q. What do you mean by ice point and steam point?

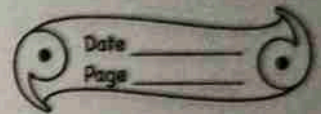
A. The ice point is the freezing point of water at  $0^{\circ}\text{C}$  or  $32^{\circ}\text{F}$  or  $273^{\circ}\text{K}$ .

The steam point is the boiling point of water at  $100^{\circ}\text{C}$  or  $373\text{K}$  or  $212^{\circ}\text{F}$ .

Q. One degree on Celsius scale is



Clinical Thermometer.



Q6 equal to 1.8 or 9/5 degree on Fahrenheit  
Scale