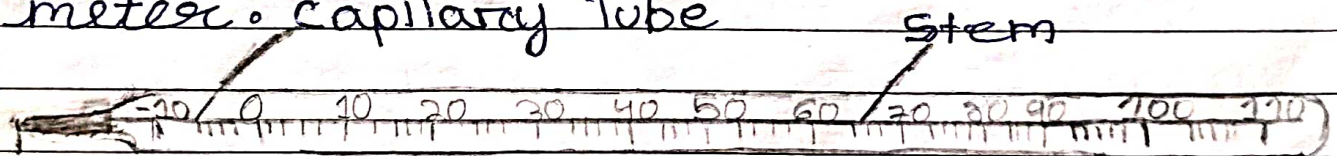# Home assignment

1. Ex-B. 19, 20, 21
2. Define temperature.
3. Explain the unit of temperature.
4. What do you mean by ice point and steam point ?
5- 1 degree on celcius scale is equal to ___ degree on fahrenheit scale.

Answer

1- Ex-B

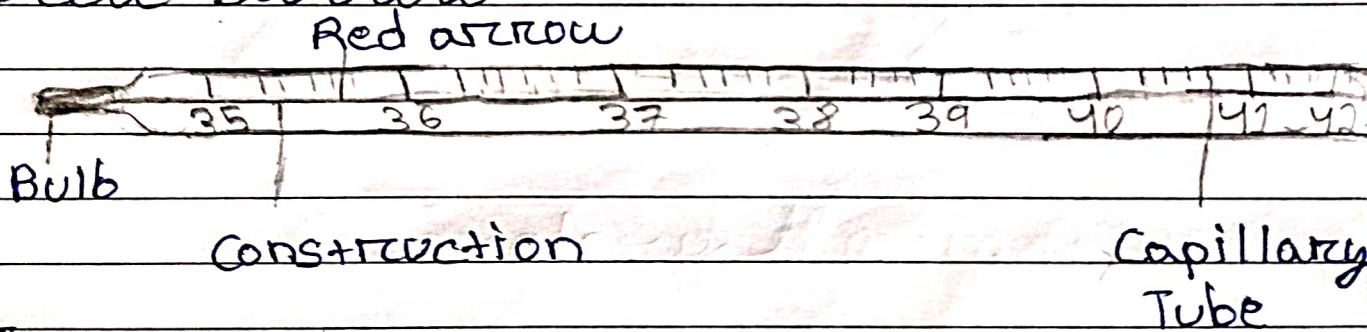19- The temperatured with a thermo-meter. capilary Tube   Stem

laboratory thermometer

20- The temperature of

1. melting ice = 0°C
2. Boiling water = 100°C

21- Doctors use a special thermome-ter called the clinical thermome-ter for measuring the temperature of the temperature of the patient's body. this thermometer has the markings from 35°C to 42°C. It has a slight bend or kink in the stem just above the bulb. This kink is called the constauction. This construc-tion prevents the mercury from falling back all by itself. The temperature of a healthy person is 37°C. This temperature is marked by a red arrow.

Red arrow

| 35 | 36 | 37 | 38 | 39 | 40 | 41 42 |

Bulb

Construction   Capillary Tube

2- Temperature is how hot or how cold an object is what the thermometer reads is the tempreture.

3- The unit of tempretures are:

1. Kelvin(K)
2. Degree celsius or (oC)
   degree centigrade
3. Degree fahrenheit (oF)

4- The freezing point of water is called the ice point.
• The boiling point of water is called the steam point.

5- 1 degree on celcius scale is equal to $\frac{9}{5}$(or 1.8) degree on fahrenheit scale.