Assignment 2: (Heat)

1) Define the term calibration of thermometer.

→ The process of determining the scale in a thermometer is called calibration of thermometer.

2) Differentiate between upper fixed point and lower fixed point.

↔ Upper fixed point	Lower Fixed Point
The temperature of the boiling water at standard atmospheric pressure is considered as the upper fixed point.	The temperature of the pure melting ice at the standard atmospheric pressure is lower fixed point.
- Its value is 100°C.	- Its value is 0°C.

3) What do you mean by anamolous expansion of water?

-> Anamolous expansion of water is an abnormal property of water in which it expands instead of contracting when temperature goes from 4°C to 0°C and becomes less dense.

4) Write any three reasons on why water is not used as thermometric liquid.

-> Water is not used as thermometric liquid as;

- It is colorless, so it has to be colored to be seen.
- It vaporizes easily.
- It wets the wall of capillary in thermometer.