## <u>Thermal Processes – 2019 Nov</u>

- **1.** 0625/32/O/N/19/No.6
  - (a) Fig. 6.1 shows a liquid-in-glass thermometer.

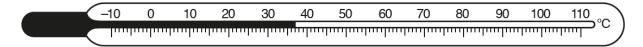


Fig. 6.1

(i) State the name of a liquid used in liquid-in-glass thermometers.

.....[1]

(ii) The thermometer is calibrated using two fixed points.

State the values of these fixed points.

.....°C and .....°C [1

(b) A student heats some water in a metal can, as shown in Fig. 6.2.

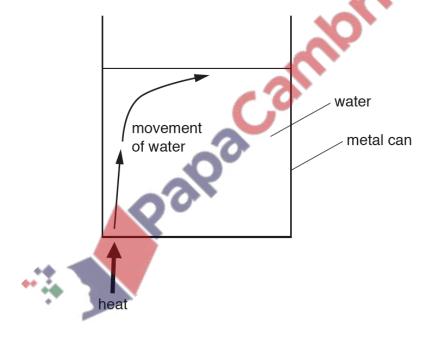


Fig. 6.2

(i)	Complete the	sentence.	Choose a	a word from the box.
v	Complete the	ocificities.	0110030 8	a word from the box.

conduction convection radiation

	Thermal (heat) energy moves through the metal can by[1]
(ii)	Describe how thermal energy is transferred throughout the water. Include your ideas about density changes.
	107
	[3]

[Total: 6]