Question number	Answer	Notes	Marks
4 (a)	Any three of - MP1 use a stirrer / stir with thermometer; MP2 centralise / spread heat source; MP3 move thermistor and thermometer to same level; MP4 move thermistor and thermometer closer together; MP5 Use thermometer with finer scale / digital thermometer;	Ignore repeat readings  Assume horizontal separation meant	Max 3
(b)	(milli)Ammeter;	Allow ampmeter	1
(c) (i)	Scale; (at least half the grid)  Axes labelled including units;  Plotting ±½ small square;;  Line of best fit;   Voltage in V 3.0  2.0  1.0  0.0  20  40  60  80  100  Temperature in °C	Accept axes reversed -1 each plotting error, minimum 0 for plotting Curve through either (80, 0.2) or (100, 0.4) Allow line bisecting these two points  Temperature in °C Voltage in V 20 6.0 40 2.2 60 1.1 80 0.2 100 0.4	5
(c) (ii)	DOP (80, 0.2) circled (if supported by line of best fit)	Allow (100, 0.4) circled if supported by line of best fit	1