

**Question 1**

Question	Answers		Mark
01.1	thermometer	If more than one box is ticked, award no marks.	1
01.2	Any <b>two</b> from: <ul style="list-style-type: none"><li>• broken glass (microscope slides or coverslips) – check carefully before use, do not use if broken</li><li>• iodine solution – avoid skin or eye contact/do not ingest</li><li>• pointed needle – take care when using/always point away from your body</li><li>• water spills – clean up and report immediately</li></ul>	Allow other relevant examples.  A correct precaution must be given for the hazard named for the mark to be awarded.	2
<b>Total</b>			<b>3</b>

**Question 2**

Question	Answers		Mark
<b>02.1</b>	magnification = $\frac{\text{size of image}}{\text{size of real object}}$	Allow any correct rearrangement.	1
<b>02.2</b>	$\frac{14.8}{400}$ $= 0.037 \text{ (mm)}$	An answer of 0.037 (mm) with no working shown scores <b>2</b> marks.	1 1
<b>02.3</b>	$0.037 \times 1000 = 37 \text{ (}\mu\text{m)}$	An answer of 37 ( $\mu\text{m}$ ) with no working shown scores <b>1</b> mark.  Allow ecf from <b>02.2</b> .	1
<b>Total</b>			<b>4</b>