

Question number	Answer	Notes	Marks
2 (a)	<p>.....</p> <p><b>Electromagnetic Wave</b></p> <ul style="list-style-type: none"> <li>infrared</li> <li>radio</li> <li>ultraviolet</li> <li>x-ray</li> <li>visible light</li> </ul> <p><b>Use</b></p> <ul style="list-style-type: none"> <li>detecting broken bones inside the body</li> <li>detecting forged banknotes using fluorescent lamps</li> <li>television broadcasts</li> <li>human vision</li> <li>cooking food</li> </ul>		4
(b)	skin burns;	apply 'list' principle allow 'damage to skin cells'	1
(c)	<p>reduce time of exposure/ increase distance from source/ introduce more material between source and person;</p> <p>e.g. suncream, clothing, sunglasses, staying indoors, stay behind glass windows, only stay outside for 20 minutes without sun protection</p>	apply 'list' principle	1

(Total for Question 2 = 6 marks)