

Question number	Answer	Notes	Marks
1 (a)	<div> <div>EM wave</div> <div> <div>gamma</div> <div>infrared</div> <div>radio waves</div> <div>ultraviolet</div> <div>x-rays</div> </div> <div> <div>Use</div> <div> <div>long range communication</div> <div>cooking</div> <div>sterilising food</div> <div>observing internal structures</div> <div>fluorescent lamps</div> </div> </div> <p>all four correct;;;;</p> </div>	<p>gamma use is given so only judge other four EM waves for marks</p> <p>three or two correct scores 2 marks one correct scores 1 mark</p>	3
(b)	<p>C (internal heating of tissue);</p> <p>A is incorrect because this is a hazard of visible and ultraviolet radiation B is incorrect because this is a hazard of x-ray and gamma radiation D is incorrect because this is a hazard of infrared radiation</p>		1
(c)	radio (waves);		1

Total for Question 1 = 5 marks