Question number	Answer	Notes	Marks
1 (a)	cooking – micro(waves) OR infrared (waves);	if more than one example given for each use then reject mark if any incorrect	3
	treating cancer – ultraviolet OR x-rays OR gamma (rays);		
	identifying broken bones - x-rays;		
(b)	C - the same speed;		1
(c) (i)	drawn ray shows refraction in the correct direction (downwards) at both surfaces; drawn ray is above yellow ray and diverges from it (if ray had entered at the original point);	judge by eye ignore arrows and labels dependent on previous	2
		allow if ray drawn enters parallel to original ray	
(ii)	A- black;		1

Total 7 marks