Question Number	Answer				Mark
*13	This question assesses a student's ability to show a coherent and logically structured answer with linkages and fully-sustained reasoning. Marks are awarded for indicative content and for how the answer is structured and shows lines of reasoning. The following table shows how the marks should be awarded for indicative content.				
	IC points	IC mark	Max linkage mark	Max final mark	
	6	4	2	6	
	5	3	2	5	
	4	3	1	4	
	3	2	1	3	
	2	2	0	2	
	1	1	0	1	
	0	0	0	0	
	The following table shows how the marks should be awarded for structure and lines of reasoning. Number of marks awarded for structure				
	Answer shows a coherent and logical structure with linkages and fully sustained lines of reasoning demonstrated throughout			of answer and sustained line of reasoning	
	Answer is partially structured with some linkages 1 and lines of reasoning				
	Answer has no linkages between points and is unstructured			0	
	 Indicative content Photon energy is related to frequency One to one interaction between photons and electrons A minimum energy/frequency is required (for electron release) Release of electrons is instantaneous Frequency affects the kinetic energy of the (released) electrons Intensity affects the number of electrons (per second) 				6
	Total for question 13				6