8	(a)	Dis	tinguish between an α -particle and a β^+ -particle.	
			[3]	
	(b)	ΑII	State the equation that shows the decay of a particle in a nucleus that results in β^+ emission. All particles in the equation should be shown in the notation that is usually used for the representation of nuclides.	
			[2]	
	(c)	(i)	State the quark composition of	
			1. a proton,	
			2. a neutron.	
			[2]	
		(ii)	the quark model to explain the charge on a proton.	
			[1]	
			[Total: 8]	