A n	eutro	on decays by emitting a β^- particle.	
(a)	(a) Complete the equation below for this decay.		
		$_{0}^{1}\text{n}\rightarrow ^{\cdots\cdots}_{\cdots\cdots}_{\cdots}_{\cdots}_{\cdots}_{\cdots}_{\cdots}_{\beta}^{-}_{}+_{\cdots\cdots}_{}_{}_{}_{}_{}$	[2]
(b)	(b) State the name of the particle represented by the symbol $\overline{\nu}.$		
			[1]
(c)	State the name of the class (group) of particles that includes β^- and $\overline{\nu}$.		
			[1]
(d)	d) State		
	(i)	the quark structure of the neutron,	
			[1]
	(ii)	the change to the quark structure when the neutron decays.	
			[1]
			[Total: 6]