(a)		te <b>one</b> difference between a hadron and a lepton.
	•••••	
		[1
(b)	-	roton within a nucleus decays to form a neutron and two other particles. A partial equatio epresent this decay is
		$_{1}^{1}p \rightarrow _{0}^{1}n + + +$
	(i)	Complete the equation. [2
	(ii)	State the name of the interaction or force that gives rise to this decay.
		[1
	(iii)	State three quantities that are conserved in the decay.
		1
		2
		3
(c)	eler	the quark composition of a proton to show that it has a charge of $+e$ , where $e$ is the nentary charge.
	Exp	lain your working.

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