(a)	The names of four particles are listed below.					
			alpha	beta-plus	neutron	proton
	State the name(s) of the particle(s) in this list that:					
	(i)	are not fun	damental			
						[1]
	(ii) do not experience an electric force when situated in an electric field					
						[1]
	(iii)	has the lar	gest ratio of	charge to mass.		
						[1]
(b) A hadron has a charge of $+e$ where e is the elementary charge. The hadron is composed only two quarks. One of these quarks is an antidown (\overline{d}) quark. By considering charge, st and explain the name (flavour) of the other quark.						
						[3]
						[Total: 6]