

Question number	Answer	Notes	Marks
3 (a)	magnet moves through / near coil of wire;  field lines of magnet are cut by coil;  idea that voltage is induced across the coil;	allow idea that magnet enters / leaves coil ignore references to the coil having its own field ignore references to current	3
(b)	any two from: MP1. shaking torch harder / faster;  MP2. increasing the number of turns on the coil; MP3. using a less resistive metal for the coil of wire;	allow moving coil/magnet faster ignore “larger coil”	2

Total for Question 3 = 5 marks