

Question number	Answer	Notes	Marks
4 (a)	Any two of: current (in the coil) ; { in / produces } a magnetic field ; (resultant) force / interaction of magnetic fields ;	IGNORE: electrical to kinetic energy / induced current IGNORE: unqualified refs to LHR IGNORE: refs to push / pull	2
(b)	Any two of: increase current / more cells (in battery) ; stronger magnet(s) ; more turns (on coil) ;	ACCEPT: stronger current / more (battery) voltage REJECT: 'larger' batteries REJECT: 'bigger' magnet IGNORE: magnets closer together REJECT: more coils	2
(c)	Any two of: coil / wire cuts through (magnetic) field ; induced voltage / current ; current <u>in lamp</u> / complete circuit ; correct refs to an energy transfer e.g. kinetic to electrical (to light) ;	ACCEPT: coil moves / breaks field ACCEPT: 'electromagnetic induction' ACCEPT: generated / produced OWTTE IGNORE: "lights lamp"	2

Total 6 Marks