Question number	Answer	Notes	Marks
10 (a)	any suitable method, e.g. place plotting compass near magnet; note direction of compass; move compass to different position (and repeat); OR place magnet under paper / plastic; use of iron filings; tap paper gently (to reveal shape);	allow suitably clear diagrams reject for one mark 'charges' allow using multiple compasses allow steel dust, iron powder for iron filings	3
(b)	MP1. field line connecting one pole to the other; MP2. at least two complete field lines, but none touching / crossing; MP3. field line are more concentrated near the poles;	ignore direction of field lines throughout allow small gap where field line joins magnet ignore field lines inside the magnet ignore field lines that start outside the pole region judge by eye	3
(c) (i)	C – out of the page; The only correct answer is C A is not correct because it's the wrong direction B is not correct because it's the wrong direction D is not correct because it's the wrong direction		1

(ii)	(change that would reverse) direction of (magnetic) field; (change that would reverse) direction of current;	e.g. swap the magnets round e.g. reverse the voltage	2
(iii)	force decreases; (because) magnetic field becomes non-uniform / weaker;	DOP allow 'field lines get further apart'	2

Total for question 10 = 11 marks