

Question number	Answer	Notes	Marks
11 a	<p>MP1. method to show shape; e.g. use compass(es) use of iron filings/powder</p> <p>MP2. use of plotting compass to show direction;</p> <p>MP3. a further method detail; e.g. mark card/move compass/multiple compasses idea of another line or lines added sprinkle (iron filings) tap card (to distribute iron filings)</p>	all marks may be given from a clearly labelled diagram	3
b	<p>(lines are) parallel;</p> <p>(lines are) evenly spaced;</p>	ignore references to lines being straight	2
c (i)	idea that wire cuts magnetic field lines; voltage is induced;		2
(ii)	<p>any two from:</p> <p>MP1. move wire faster;</p> <p>MP2. coil wire into loops;</p> <p>MP3. use stronger magnets / magnetic field;</p>	<p>ignore references to using a different wire</p> <p>condone 'more coils / turns'</p> <p>allow move magnets closer together</p>	2

Total for question 11 = 9 marks