



**Science Revised Syllabus  
Junior Certificate  
Higher Level**

**Past Exam Questions on  
P Magnetism**

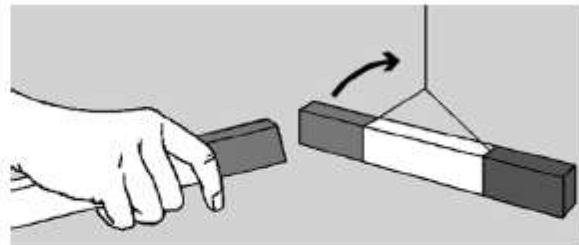
**Q7 Part (g) 2013**

(g) The diagram is of a bar magnet. Draw the pattern of the magnetic field.



**Q9 Part (c) 2012**

(c) The diagram shows the interaction between two magnets. Explain why this happens. (6)



Explain \_\_\_\_\_

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**Q7 Part (a) 2011**

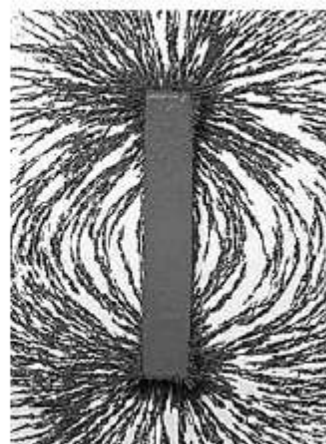
(a) What causes the iron filings to form the pattern around the magnet seen in the photograph?

What? \_\_\_\_\_

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How would you determine the position of the north pole of the magnet?

How? \_\_\_\_\_



**Q9 Part (c) 2010**

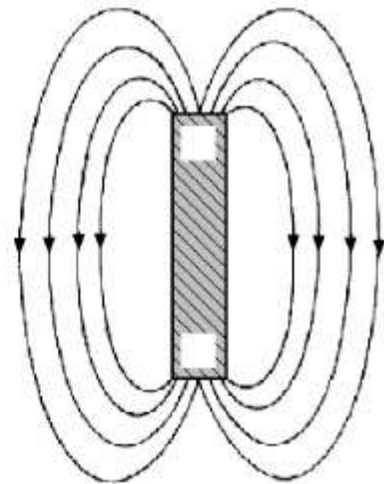
(c) The diagram shows a bar magnet with magnetic field lines on both sides.

(i) Label the *north pole* (N) or the *south pole* (S) of the magnet in the diagram.

(3)

(ii) What information is given by the arrows on the magnetic field lines?

(3)



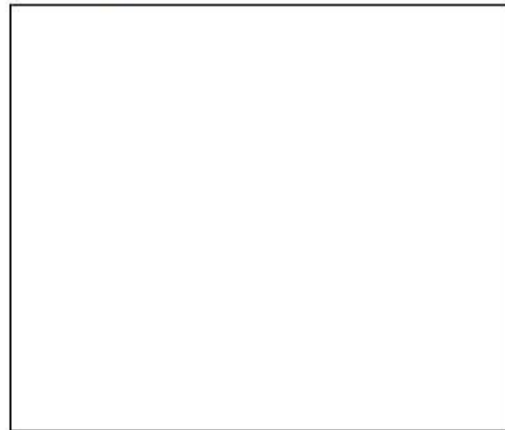
What? \_\_\_\_\_

\_\_\_\_\_

(iii) Describe, using a labelled diagram in the box provided, a simple experiment to show that *like magnetic poles repel each other*.

(6)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



(iv) Name a *material* that is attracted by magnets.

(3)

Name \_\_\_\_\_

(v) How would you *show* that the Earth exerts *magnetic forces*?

(3)

How? \_\_\_\_\_

**Q7 Part (f) 2009**

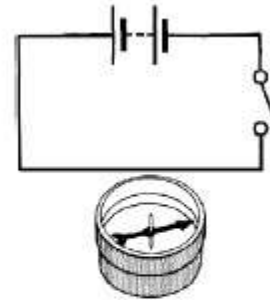
(f) The diagram shows a circuit with a wire over a compass.

(i) What *happens to the compass needle* when the switch is closed?

What? \_\_\_\_\_

(ii) Which *effect of electric current* is demonstrated by this experiment?

Which? \_\_\_\_\_



**Q8 Part (a) 2007**

(a) The diagram shows the outline of a bar magnet. Draw two *magnetic field lines* one on each side of the bar magnet. (6)



What are the *parts* labelled N and S in the diagram called? (3)

What? \_\_\_\_\_