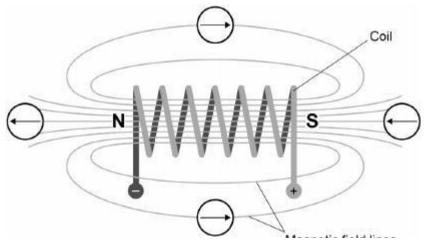
Practice Question Set For GCSE

Subject: Physics



Paper-2 Topic: Magnetism And Electromagnetism (Low Demand Questions)

	of the Student: larks : 24 Marks	 Time : 24 Minutes
Mark Schemes		
Q1.		
(a	iron is magnetic	1
(b	correct pattern of field lines	1
	arrows on field lines away from N and towards S	
	N S	
		1
(c	they are opposite poles	1
(c	l) they line up with the Earth's magnetic field allow they all point north	1
(e	e) circular	1
(f)	a control	1
(g) 3.6 (N)	1
(h	the force) decreases	
		1 [9]
Q2.		
(a	the Earth has a magnetic field	1
(b	o) steel	1
(c	the field is strongest at the ends of the coil	
(c	l) all arrows in the correct direction	1



allow 1 mark for 2 or 3 arrows in the correct direction

(e) any **two** from:

- increase the current
 allow increase potential difference
- insert an iron core
- increase the number of turns allow turns closer together

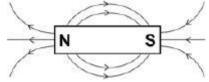
[7]

2

2

Q3.

(a) first box ticked



1

(b) N S

1

(c) the iron bar experiences a magnetic force of attraction

1

(d) nickel

1

steel

1

(e) an electromagnet can be switched on and off

1

(f) the iron nail makes the magnetic field stronger

1

1

(g) use a greater current

[8]