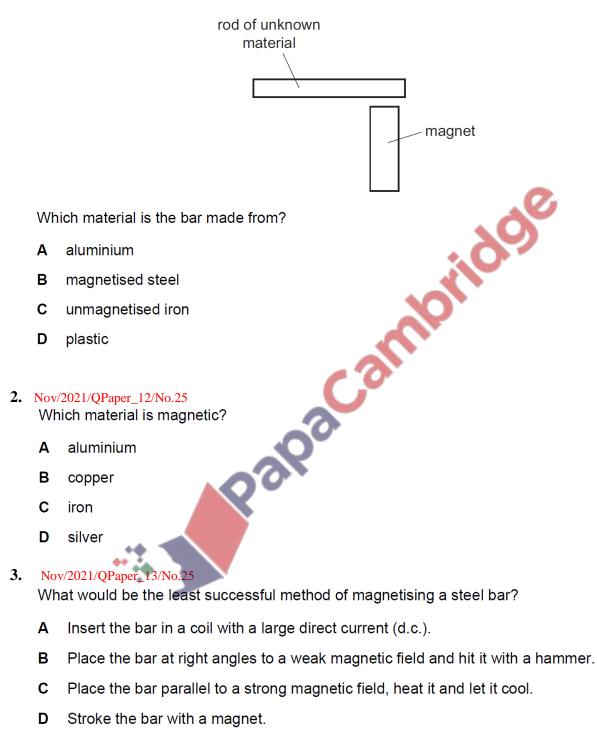
Magnetism – 2021 IGCSE 0625

1. Nov/2021/QPaper_11/No.25

A bar magnet is brought near to a rod of unknown material.

The unknown rod is attracted to both ends of the bar magnet.



4. Nov/2021/QPaper_31/No.8

(a) Fig. 8.1 shows the magnetic field pattern around a bar magnet.

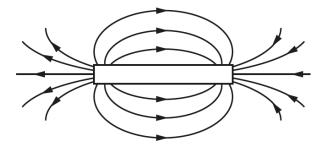
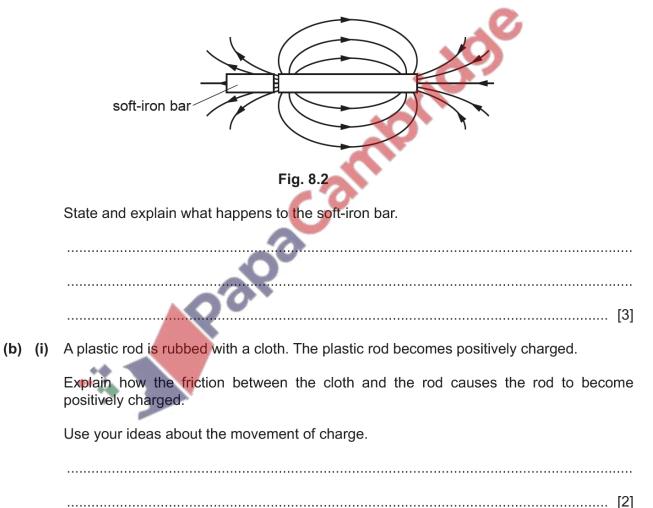


Fig. 8.1

- (i) On Fig. 8.1, label the north and south poles of the magnet, using the letters N and S. [1]
- (ii) A soft-iron bar is positioned as shown in Fig. 8.2.

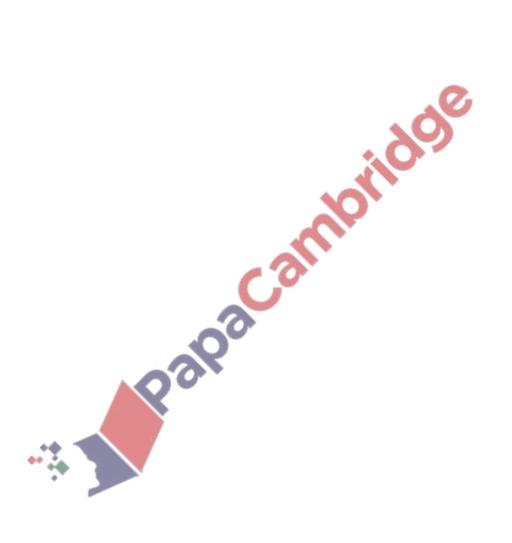


(ii) Plastic is an electrical insulator. Iron is an electrical conductor.

State two other materials that are electrical conductors.

1		
2		
	I	[1]

[Total: 7]



5. Nov/2021/QPaper_32/No.6

(a) A girl has eight objects made of different materials.

The materials have different electrical and magnetic properties.

a piece of copper wire	a sheet of aluminiu	m foil a g	lass rod	an iron nail	
a piece of cotton cloth	a wooden block	a plastic str	rip a pape	er bag	
Complete Table 6.1 by adding one object for each property. One is done for you.					

Choose objects from the list. Each object may be used once, more than once or not at all.



property	object	
electrical conductor		
electrical insulator	0	
non-magnetic material	a wooden block	
magnetic material		
can be charged by rubbing with a cloth		

(b) Fig. 6.1 shows three measuring instruments.

Write the name of each measuring instrument next to its diagram.

The measuring instruments are not drawn to scale.

