



# PHYSICS

## BOOKS - SURA PUBLICATION

### Magnetism

#### Exercise

1. A magnet attracts \_\_\_\_\_.

A. wooden materials

B. any metal

C. copper

D. iron and steel

**Answer:**



**Watch Video Solution**

2. One of the following is an example for a permanent magnet.

A. Electromagnet

B. Mumetal

C. Soft iron

D. Neodymium

**Answer:**



**Watch Video Solution**

**3.** The south pole of a bar magnet and the north pole of a U-shaped magnet will \_\_\_\_\_.

A. attract each other

B. repel each other

C. neither attract nor repel each other

D. None of the above

**Answer:**



**Watch Video Solution**

4. The shape of the Earth's magnetic field resembles that of an imaginary \_\_\_\_.

A. U-shaped magnet

B. straight conductor carrying current

C. solenoid coil

D. bar magnet

**Answer:**



**Watch Video Solution**

5. MRI stands for \_\_\_\_\_.

A. Magnetic Resonance Imaging

B. Magnetic Running Image

C. Magnetic Radio Imaging

D. Magnetic Radar Imaging

**Answer:**



**Watch Video Solution**

6. A magnet has \_\_\_\_\_ magnetic poles.



**Watch Video Solution**

7. Heavy iron pieces can be lifted by \_\_\_\_\_.



[Watch Video Solution](#)

8. explain a freely suspended magnet is always pointing along the north-south direction.



[Watch Video Solution](#)

9. It is believed that the \_\_\_\_\_ had known the property of magnet even before 200 BC.

A. Indians

B. Japanese

C. Chinese

D. Americans

**Answer:**



**Watch Video Solution**

10. \_\_\_\_\_ is the ore of iron which is the strongest natural magnet.

A. Iron oxide



B. Iron sulphide

C. Ferrite

D. Coulumbite

**Answer:**



**Watch Video Solution**

**11.** Attractive property of a magnet is more at the \_\_\_\_\_.

A. North pole

B. South pole

C. both a & b

D. middle

**Answer:**



**Watch Video Solution**

**12.** A freely suspended magnet aligns along the \_\_\_\_\_ direction.

A. North-east

B. North - west

C. North-south

D. South-west

**Answer:**



**Watch Video Solution**

**13.** The magnetic field lines \_\_\_\_\_.

A. are closed curves

B. intersect one another

C. both a and b

D. none of these

**Answer:**



**Watch Video Solution**

**14.** Example for ferromagnetic substance is

\_\_\_\_\_.

A. nickel

B. oxygen

C. chromium

D. platinum

**Answer:**



**Watch Video Solution**

**15.** Attractive property of a magnet is more at the \_\_\_\_\_.



**Watch Video Solution**

16. Magnetic poles always exist in \_\_\_\_\_.



[Watch Video Solution](#)

17. The north pole and the south pole of a magnet \_\_\_\_\_ each other.



[Watch Video Solution](#)

18. We can trace the magnetic field with the help of a \_\_\_\_\_.



[Watch Video Solution](#)

19. The unit of frequency is \_\_\_\_\_.



[Watch Video Solution](#)

20. The strip on the back of a credit card/debit card is a magnetic strip, often called a \_\_\_\_\_.



[Watch Video Solution](#)

21. Match the following:

1.	Bulb	(a)	Conductor
2.	Electroplating	(b)	Insulator
3.	Pure water	(c)	Heating effect of current
4.	Salt solution	(d)	Chemical effect of current



**Watch Video Solution**

22. A compass is used for \_\_\_\_\_.

- A. plotting magnetic lines
- B. detection of magnetic field
- C. navigation



D. All of these

**Answer:**



**Watch Video Solution**

**23.** One of the following is an example for a permanent magnet.

A. Electromagnet

B. Mumetal

C. Soft iron

D. Neodymium

**Answer:**



**Watch Video Solution**

**24.** The magnetic field lines\_\_\_\_\_.

- A. are closed curves
- B. intersect one another
- C. both a and b
- D. none of these

**Answer:**



**Watch Video Solution**

**25.** A freely suspended magnet aligns along the \_\_\_\_\_ direction.

- A. North-east
- B. North - west
- C. North-south
- D. South-west

**Answer:**



**Watch Video Solution**

26. \_\_\_\_\_ are used to lift heavy iron pieces.



**Watch Video Solution**

27. A magnet has \_\_\_\_\_ magnetic poles.



**Watch Video Solution**

**28.** Attractive property of a magnet is more at the \_\_\_\_\_.



**Watch Video Solution**

**29.** The strip on the back of a credit card/debit card is a magnetic strip, often called a \_\_\_\_\_.



**Watch Video Solution**

**30.** Write True or False. If false, write the correct statement. The compass needle gets

deflected to a large extent, which it is closer to the magnet.



**Watch Video Solution**

**31.** Write True or False. If false, write the correct statement. Magnets found in the nature are called artificial magnets.



**Watch Video Solution**

**32.** Distinguish between natural and artificial magnets.



**Watch Video Solution**

**33.** What is Magnetic field ?



**Watch Video Solution**

**34.** Write the Properties of magnet.



**Watch Video Solution**

**35.** Write a note on Mangle train.



**Watch Video Solution**

**36.** Draw the magnetic field lines for a bar magnet.



**Watch Video Solution**



**37.** How will you convert a 'nail' into a temporary magnet?



**Watch Video Solution**

**38.** Compare the characteristics of diamagnetic, paramagnetic and ferromagnetic materials.



**Watch Video Solution**

1. What is Magnetic field ?



[Watch Video Solution](#)

2. What is artificial magnet? Give example.



[Watch Video Solution](#)

3. Distinguish between natural and artificial magnets.





[Watch Video Solution](#)

4. Earth acts as a huge bar magnet. Why? Give reasons.



[Watch Video Solution](#)

5. How can you identify non-magnetic materials? Give an example of a non-magnetic material.



[Watch Video Solution](#)

6. List out the uses of magnets in day-to-day life.



[Watch Video Solution](#)

7. How will you convert a 'nail' into a temporary magnet?



[Watch Video Solution](#)

8. Write a note on Earth's magnetism.



[Watch Video Solution](#)

9. Though Earth is acting as a huge bar magnet it is not attracting other ferromagnetic materials. Why? Give reasons.



[Watch Video Solution](#)

10. Why it is not advisable to slide a magnet on an iron bar back and forth during magnetising it?





[Watch Video Solution](#)

11. Thalami Dharaga and Sangamithirai were playing with a bar magnet. They put the magnet down and it broke into four pieces. How many poles will be there?



[Watch Video Solution](#)

12. Magnets found in the nature are called .....



[Watch Video Solution](#)

**13.** Magnetite is an oxide ore of iron with the formula .....



**Watch Video Solution**

**14.** The unit of magnetic field is



**Watch Video Solution**

**15.** Magnets used in electric bells the example of permanent magnets



[Watch Video Solution](#)

**16.** What is the other name of lodestone?



[Watch Video Solution](#)

**17.** Convert 1 tesla into gauss.



[Watch Video Solution](#)

**18.** Name a few paramagnetic substances.





**Watch Video Solution**

**19.** How artificial magnets are produced?



**Watch Video Solution**

**20.** What is the diameter of the magnetar?



**Watch Video Solution**

**21.** Name the strongest and the most powerful magnets on the Earth.



**Watch Video Solution**

**22.** Name the most commonly used permanent magnet.



**Watch Video Solution**

**23.** What is meant by magnetic axis?



[Watch Video Solution](#)

24. What type of magnet used in Maglev train?



[Watch Video Solution](#)

25. What is meant by a magstripe?



[Watch Video Solution](#)

26. Write a note on magneto - reception.



[Watch Video Solution](#)

27. Mention any two uses of magnets.



[Watch Video Solution](#)

28. Write a note on Mangle train.



[Watch Video Solution](#)

29. What is magnetisation?



[Watch Video Solution](#)

**30.** Mention the ways by which the magnetic property of a magnet will be removed.



[Watch Video Solution](#)

**31.** Write a note on Magnetar.



[Watch Video Solution](#)

**32.** Mention the properties of a magnet.



**Watch Video Solution**

**33.** Give some examples of artificial magnets.



**Watch Video Solution**

**34.** Mention the three types of iron ores.



**Watch Video Solution**

**35.** Draw the magnetic field lines for a bar magnet.



**Watch Video Solution**

**36.** Write a note on : Compass needle.



**Watch Video Solution**

**37.** Write a note on : Magstripe.



**Watch Video Solution**

**38.** Compare the characteristics of diamagnetic, paramagnetic and ferromagnetic materials.



**Watch Video Solution**