



# PHYSICS

## BOOKS - MBD -HARYANA BOARD

### SOME NATURAL PHENOMENA

#### Example

1. Which of the following cannot be charged easily by friction?

A. A plastic scale

B. A copper rod

C. An inflated balloon

D. A woollen

**Answer:**



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2. When a glass rod is rubbed with a piece of silk cloth the rod

A. and cloth both acquire positive charge

B. becomes positively charged while the cloth has a negative charge.

C. and the cloth both acquire negative charge.

D. becomes negatively charged while the cloth is positive charged

**Answer:**



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### 3. True or False

like charge attract each other



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4. State whether the following statements are true or false :

A charged glass rod attracts a charged plastic straw.



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**5.** State whether the following statements are true or false :

Lightning conductor cannot protect a building from lightning.



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**6.** Earthquakes can be predicted in advance.



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7. Sometimes, a crackling sound is heard while taking off a sweater during winters. Explain.



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8. Explain why a charged body loses its charge if we touch it with our hand.



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9. Name the scale on which the destructive energy of an earthquake is measured. An earthquake measures 3 on this scale. Would it be recorded by a seismograph? Is it likely to cause much damage?



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10. Suggest three measures to protect ourselves from lightning.



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**11.** List any three safety measures we should observe in case of lightning.



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**12.** Explain why a charged balloon is repelled by another charged balloon whereas an uncharged balloon is attracted by another charged balloon?



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**13.** Describe with the help of a diagram an instrument which can be used to detect a charged body.



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**14.** List three states in India where earthquakes are more likely to strike.



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**15.** Suppose you are outside your home and an earthquake strikes. What precaution would you take to protect yourself?



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**16.** The weather department has predicted that a thunderstorm is likely to occur on a certain day. Suppose you have to go out on that day. Would you carry an umbrella? Explain.





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17. How many kinds of electric charge are there?

A. 2

B. 3

C. 4

D. 6

**Answer:**



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**18.** The device used for testing electric charge is called:

A. Electroscope

B. Microscope

C. Periscope

D. Electroplating

**Answer:**



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**19.** What is the measure of earthquake on Richter scale that can cause devastation?

- A. Less than 5
- B. Between 5 and 7
- C. Between 1 and 5
- D. More than 7

**Answer:**



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20. Opposite charges .....each other.

A. Attract

B. Repel

C. Sometime attract sometime repel

D. Neither attract nor repel

**Answer:**



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21. The central region of earth is called :

A. Inner core

B. Outer core

C. Mantle

D. Earth crust

**Answer:**



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**22.** Where is the safest place to be during a lightning storm?

A. Building

B. Open area

C. Under the tree

D. All the above

**Answer:**



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**23. What is amber?**



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**24.** What happens when amber is rubbed for longer time?



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**25.** Who established that spark and lightning were same thing?



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**26.** Why does a plastic comb rubbed with dry hair attract tiny pieces of paper ?



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**27.** Give two examples of charged objects.



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**28.** What happens when two balloons rubbed with woolen cloth are brought together.



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**29.** Which type of charges attract each other?



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**30.** How many types of charges are there?



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**31.** Why does a plastic comb rubbed with dry hair attract tiny pieces of paper ?



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**32.** What will happen when two clouds with unlike charges approach each other?



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**33.** Is human body a conductor or an insulator?



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**34.** Why is a balloon filled with air rubbed against hair sticks to the wall when pressed against it?



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**35.** Why does the paper strip open up when touched with a charged rod?



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**36.** Why should a person not stand under a tree during a thunderstorm ?



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**37.** Why are tall building provided with metallic rods, running from the top of building to the ground?



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**38.** What do you mean when we say that a body is electrically charged or electrified?



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**39.** Write a short note on Tsunami.



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**40.** Write down the uses of electroscope.



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**41.** What is lightning ?



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**42.** Write two examples of electric discharge which are used to ignite the fuel.



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**43.** What are natural phenomena ?



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**44.** What are cyclones ? Briefly explain.



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**45.** What is lightning?



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**46.** List any three safety measures we should observe in case of lightning.



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**47.** What are the precautions we should follow against earthquakes?



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