PHYSICS

MAGNETISM

Total Marks: 25

Duration: 0 hours, 25 minutes

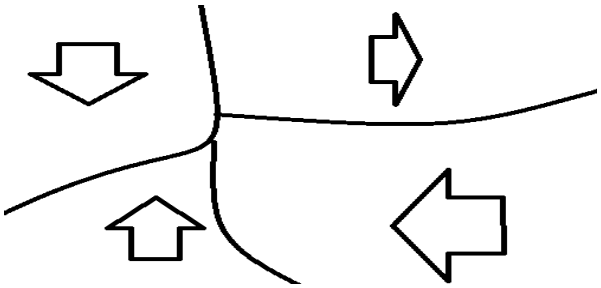
Instructions to test takers

1. Answer all the questions in this paper
2. All the answers for the questions in this paper will be found on **Study Star** (www.studystar.me)
3. Using the answers on the website, mark yourself truthfully and carefully.

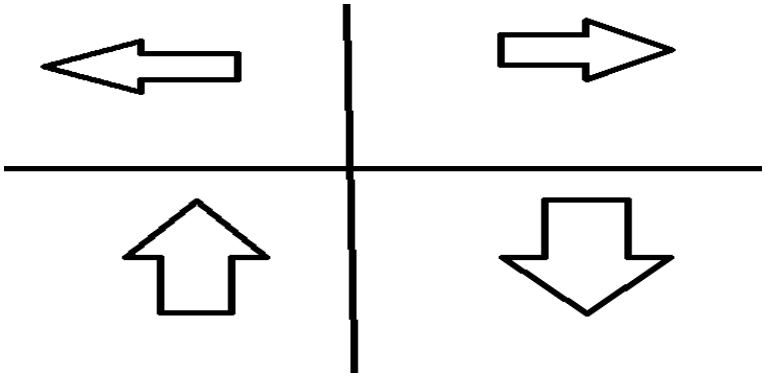
Turn this page, time yourself and begin the test

Section A [10 marks]

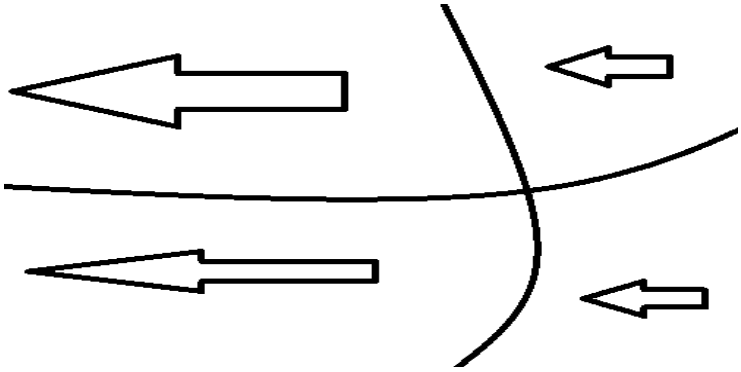
1. What do you understand by the term hard magnetic material?
    a. A material that is difficult to magnetize and difficult to demagnetize
    b. A very hard magnet
    c. A magnetic material that is hard to destroy
2. Which of the following is an example of a soft magnetic material?
    a. Steel
    b. Copper
    c. Iron
3. Which of the following diagrams shows a magnet?
    a.



    b.



    c.



4. The strength of a magnetic field is known as
    a. Magnetic field strength
    b. Magnetic flux
    c. magnetization
5. There is more magnetic flux
    a. At the center
    b. At the poles
    c. Between two magnets
6. Single touch stroking method is a type of
    a. Magnetization
    b. Demagnetization
    c. magnetism
7. The point between two magnets where the magnetic force is not experienced is called
    a. X-point
    b. Neutral point
    c. Ignored point
8. Why does magnetic induction bring about magnetization?
    a. Because it aligns the domains in the same direction
    b. Because the material being induced gains electrons
    c. Because induction is the best method of magnetism
9. Which of the following materials is used in a solenoid?
    a. Steel
    b. Aluminium
    c. Iron
10. Which of the following is a method of demagnetization?
    a. Putting in a solenoid having DC
    b. Placing in a solenoid with AC
    c. Putting in a north south direction

Section B [5 marks]

11. The process by which a magnetic material becomes magnetized when brought near a magnet is called _____
12. A region where a magnet of magnetic material experiences a non-contact force is called _____
13. Regions where magnetic fields line up in the same direction is called _____
14. Materials that are easy to magnetize and easy to demagnetize are called _____
15. A material which possesses properties of magnetism is called _____

Section C [10 marks]

16. State three methods of magnetization. [3]
17. State three methods of demagnetization. [3]
18. State two factors that affect the strength of an electromagnet. [2]
19. What are electromagnets? [1]
20. State the law of magnetism. [1]

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