

Test Jot Series

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Student Name:			Class:	9th
Paper Type:	Chapter#8		Subject:	Physics (SNC)
Paper Time:	1 Hour		Maximum Marks:	30

Q1. Choose the correct option.

(6X1=6)

1. Which material is not affected by a magnet?

(A) Iron nail	(B) Nike ring	(C) Worden-ruler	(D) Paper clips
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2. What happens when two magnets with the same pole are brought together?

(A) Attract	(B) Repel	(C) Remain unchanged	(D) Lose magnetism
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3. What is the property of a magnet that allows it to retain its magnetism?

(A) Magnetization	(B) Induction	(C) Relativity	(D) Attraction
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4. Which type of magnet is used in refrigerator magnet?

(A) Temporary magnet	(B) Permanent magnet	(C) Electromagnet	(D) Natural magnet
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5. What is the smallest unit of magnetism?

(A) Domain	(B) Magnet	(C) Pole	(D) Field
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6. What is the effect of hammering on the magnetic properties of soft iron?

(A) Increase	(B) Decrease	(C) Disappear	(D) Remain same
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Q2. Write down short answers of following questions.

(7X2=14)

[i] What are magnetic materials?	[ii] How can you identify if a material is magnetic or non-magnetic?
[iii] What is the magnetic field like near a magnet's poles?	[iv] What is the process of aligning domains in a magnet?
[v] How can a solenoid be used to make a magnet?	[vi] How is data stored on a hard disk?
	[vii] What is the use of soft iron in electromagnetic devices?

Q3. Write detailed answers of the following questions.(Answer any 2)

(2X5=10)

1. Explain the concept of induced magnetism. Describe the process by which a magnet induces magnetism in other materials.
2. Differentiate between paramagnetic, diamagnetic and ferromagnetic materials with reference to the domain theory.
3. Explain the principle of magnetic tape recording describe the process of recording and play back, and discuss the advantage and disadvantage of this technology?