	Date:
	Magnetism
	EXERCISE - 10A
82.	What is natural magnet? 2 limitations.
<u> </u>	The pieces of ladistone tound in nature are called
	natural magnete limitations of a natural
	magnet -
- 1	They are irregular and odd-shaped
2	They are not magnetically very strong
Qy	How will you test whether the given rad is of iron
	or apper?
$\rightarrow$	Iron rod get magneticed when pland near a bor
	magnet by magnetic induction, while copper does
	not get magnitised.
Q8.	The temporary magnetism arguired by a magnetic
	material when it is kept man (or in contact
	with) a magnet, ralled induced magnetism.
QII.	a) when two pins are hung by their heads from
	the same pole of a magnet their pointed ends
	move apart.
<b>→</b>	When two pins are hung by their heads from the
	same pole of a magnet, the acquire the same

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	polarity Because like poles repel each other, their
	b) several soft iron pins can ding one below the other
	from the pole of a magnet because the magnet
	induces magnetism in an iron rail. This magnetized
	nail magnitizes the pine which attends the ones
	under it. This process continues tills its force
	is sufficient to balance the total weight.
C	The north end of a freely suspended magnetic needle
	gets attracted towards a piece of coff iron as the
	heidle induces magnetism in the soft iron. Thus, the
-	soft iron behaves like a perd' and attack the results
14.	Induction precedes attraction as when a piece of
	iron is bought near one end of a magnet, the
	nearer end of the piece of acquire an
	apposite polarity by magnetic induction.
	opposite polority - unlike poles attact -
	attracted per towards end of magnet
	A piece first becomes a magnet by induction
	then is attracted.

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4)	Properties of magnetic field lines -
2)	Directed from and continuous curves
3)	Directed from north pole to south pole field line.  The tangent at any point on it gives the magnetic !
	They never interest each other.
19.	Two magnetic field lines can never intrect each
	each as if they intersect, there would be two
	different directions of the magnetic field which
	is not possible.
20.	a) S N S
	b)
	N S N S
26.	Neabal points are the points at which two
	magnetic fields are equal in magnitude, but
	opposite in direction and its net magnetic
	field is zero.
	A compass needle it placed at a neutral point.
	will rest in any direction.