

## Winmeen Tnpsc Group 1 & 2 Study Materials

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Tnpsc Group 2 Complete Syllabus : <https://goo.gl/fNSnMN>

Tnpsc Group 2 Previous Questions : <https://goo.gl/PYqsd7>

Tnpsc Group 2 Model Questions : <https://goo.gl/xQvyTk>

### 13. Magnetism

1. Which is used to lift heavy iron loads?

Cranes are used to lift heavy iron loads.

2. Which is used in cranes?

Powerful magnets

3. What is the use of powerful electromagnets?

Powerful electromagnets are used to operate electromagnetic trains, lifts and escalators.

4. What is magnet?

There was a region called Asia Minor, where there was a town called Magnesia. It was full of mountains, rocks and plateaus. The only occupation for the people was grazing the cattle. There was a shepherd named Magnes.

5. How did magnet got its name?

As it was discovered by Magnes, they called it Magnet and also Magnetite. Magnetite was the ore with attracting property found in that region.

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6. What are called as magnetic stones?

Magnetite's are natural magnets. They are called magnetic stones.

7. What is called as leading stones?

Natural magnets do not have a definite shape. When a magnet is freely suspended, it always comes to rest in north- south direction. That is why they are called leading stones or lode stones.

8. What is artificial magnets?

After learning the method of changing the piece of iron into magnet (magnetization) we have been making and using several kinds of magnet.

Such man-made magnets are called artificial magnets.

9. What is magnetic substances?

Substances that are attracted by magnet are called magnetic substances.

Iron, cobalt, nickel are magnetic substances.

10. What are non-magnetic substances?

Substances that do not get attracted by magnet are called non-magnetic substances.

Paper, plastic are called non- magnetic substances.

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11. What are poles of magnet?

The ends of a magnet have the strongest magnetic force. So most of the iron filings cling to the ends of the magnet. They are called poles of the magnet.

12. Which rests at north-south direction?

A freely suspended magnet always comes to rest in north-south direction.

13. What is north and south pole?

North seeking pole is called north pole. South seeking pole is called south pole

14. What is magnetic compass?

The Magnetic compass has been designed by using this directive property of the magnet.

15. What is electro- magnetic train?

Electromagnetic train is also called as suspension train. In France, it is called flying train. It does not require diesel or petrol.