

# JSUNIL TUTORIAL

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## ASSIGNMENT

- Q. 1. What is a magnetic field?
- Q. 2. What are the magnetic lines of force?
- Q. 3. What is an electric motor?
- Q. 4. What is a solenoid?
- Q. 5. Which effect of electric current is utilized in the working of an electric motor?
- Q. 6. What is the frequency for a.c (alternating current) in India?
- Q. 7. On what principle is an a.c generator based?
- Q. 8. Why don't two magnetic lines of force intersect each other?
- Q. 9. Name some source of direct current?
- Q. 10. When does an electric short circuit occur?
- Q. 11. What is the usual colour code followed for connecting live, neutral and earth wires. Why is it so important?
- Q. 12. What are electromagnetic inductions?
- Q. 13. State the rule to determine the direction of magnetic field produced around a current carrying conductor?
- Q. 14. What is the role of a fuse in the electric circuits?
- Q. 15. Explain direct and alternating current?
- Q. 16. What is the function of an earth wire? Why is it necessary to earth metallic appliances?
- Q. 17. Draw magnetic field lines around a bar magnet?
- Q. 18. Why does a compass needle get deflected brought near a bar magnet?
- Q. 19. List the properties of magnetic lines of force?
- Q. 20. What is the principle of an electric motor?
- Q. 21. State the principle of an electric generator.
- Q. 22. Two circular coils a and b are placed closed to each other. If the current in coil a is changed, will some current be induced in the coil b? Give reason.