

Electrical and Electronics Engineering Material Science Quiz Questions Pdf

1. Ferrites have ____
 - a. Low copper loss
 - b. Low eddy current loss
 - c. Low resistivity
 - d. Higher specific gravity compared to ironAns: B
2. Soft magnetic materials have
 - a. High permeability and low coercive force
 - b. Low permeability and high coercive force
 - c. High residual magnetism
 - d. Low resistivityAns: A
3. Which of the following magnetic materials has the highest reluctance?
 - a. Ferromagnetic
 - b. Paramagnetic
 - c. Diamagnetic
 - d. None of the aboveAns: C
4. When the temperature of a magnetic material is raised above the Curie point, it becomes
 - a. Diamagnetic
 - b. Paramagnetic
 - c. Ferromagnetic
 - d. FerromagneticAns: B
5. When the working temperature becomes more than the Curie temperature, a ferromagnetic material becomes a
 - a. Diamagnetic material
 - b. Paramagnetic material
 - c. Ferromagnetic material
 - d. Mu-materialAns: B
6. Materials which lack permanent magnetic dipoles are known as
 - a. Paramagnetic
 - b. Diamagnetic
 - c. Ferromagnetic
 - d. FerromagneticAns: B
7. Which one of the following materials is used for making permanent magnets?
 - a. Steel

- b. Carbon
- c. Carbon steel
- d. Graphite

Ans: C

8. Which material is used for making permanent magnet?

- a. Carbon steel
- b. Germanium
- c. Silicon
- d. None of the above

Ans: A

9. The hysteresis loop for the material of the core of the transformer should be

- a. Short and narrow
- b. Tall and narrow
- c. Short and wide
- d. Tall and wide

Ans: B

10. Bohr magneton is unit of

- a. Magnetic energy
- b. Permanent dipole moment due to spin
- c. Polarisability
- d. Hysteresis loss

Ans: B

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