

Lesson 4 – Question Bank

[A] Answer the following in short

1. What is a ferromagnetic material?
2. Explain the properties of a ferromagnetic material.
3. What is domain?
4. What is Curie-Weiss law?
5. Define paramagnetic Curie temperature.
6. What is ferromagnetic Curie temperature?
7. What is mean by hysteresis curve?
8. What is B-H curve?
9. What is M-H curve?
10. Explain the domain concept.

[B] Answer the following in detail

1. Explain the Weiss theory of ferromagnetic material. Explain how the saturation magnetization is explained using Weiss internal field concept.
2. What are magnetic domains? Explain, with suitable sketches, the hysteresis property of a ferromagnetic material.