

Single -phase transformers

- 1 Describe Single –phase transformers.
- 2 Explain what an inductor is.
- 3 Describe Faraday’s electromagnetic Induction.
- 4 Define Newton’s third law
5. Describe Lenz’s law.
6. Explain Self- inductance of inductors.
7. Calculate the back- EMF induced in a coil if the current flowing changes from 8A to 4,5a to 10A in 100 milliseconds. The coil’s self -inductance is 20 Henry (H)
8. Describe (MMF) Magneto Motive Force
9. Wat is field strength (H)
10. What is a step- up transformer?
11. Give two uses for a step-up transformers.
12. What is copper losses?
13. Describe Eddy current losses.
14. Explain hysteresis losses.
15. Name two types of transformer construction.
- 1.6 Draw seven transformer symbols.
- 1.7 Wat is the use of an Audio Impedance matching transformer.
- 1.8 Give vive (5) ideal conditions for an ideal transformer.
- 1.9 Explain Auto transformer
- 2.1 Give the susses for the auto transformer (3)
- 2.2 Give three advantages of autotransformers over regular transformers.

