

Physics

Worksheet 6 : 20/09/2020

Class - X

CHAPTER 12 : MAGNETIC EFFECTS OF CURRENT
Instructions:

- ✓ Watch the uploaded video class from school's website/YouTube channel.
- ✓ For becoming more clear about the basics, watch more than once, if needed.
- ✓ Contact me in case of any difficulties in understanding.

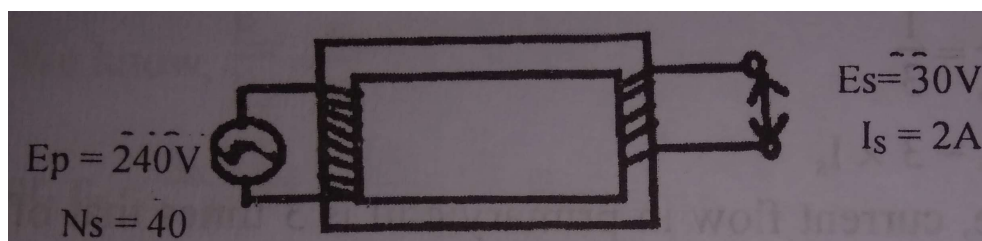
(Questions given in this worksheet are important questions for all exams)

Creative Questions

(Solve Yourself)

1. The number of turns in a transformer of primary coil and secondary coil are respectively 50 and 500. The voltage of the primary coil is 6V.
 - a) Calculate the voltage in secondary coil.
 - b) What will be the changes in number of turns in secondary coil, if we want to get 600V and 300V in secondary coil? Explain mathematically.

- 2.



- a) Calculate the current I_p in the primary coil.
- b) How do you change the numbers of secondary coil in order to get potential 120V. Analyze mathematically.