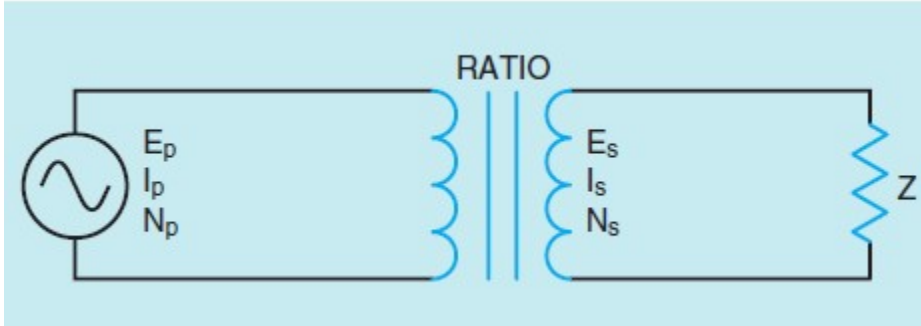


EET1033 H-8 Transformer

Multiple Choice

Identify the choice that best completes the statement or answers the question.



1. Use the above figure find:

$$E_P 120 \quad E_S 24 \quad N_P 300 \quad Z = 3 \Omega$$

I_s Current at the secondary winding in amp

- a. 10
- b. 8
- c. 20
- d. 25

2. I_p Current on the primary in amp

- a. 2
- b. 1.6
- c. 4
- d. 0.8

3. N_s turns in the secondary

- a. 120
- b. 60
- c. 30
- d. 40

4. Ratio $K=?$

- a. 10
- b. 50
- c. 0.2
- d. 5

5. Step up transformer?
- a. Yes

b. No

___ 6. Using the same picture from question 1 one find:

$$E_P 240 \quad E_S 320 \quad N_S 280 \quad Z = 500 \Omega$$

Ratio

- a. 2
- b. 0.75
- c. 2
- d. 0.58

___ 7. I_S

- a. 2
- b. 0.87
- c. 0.64
- d. 2

___ 8. I_P

- a. 2
- b. 0.853
- c. 0.5
- d. 20

___ 9. N_P

- a. 125
- b. 178
- c. 321
- d. 210

___ 10. Step down?

- a. No
- b. Yes