

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
ELECTRICAL ENGINEERING DEPARTMENT
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EE-306

Key solutions

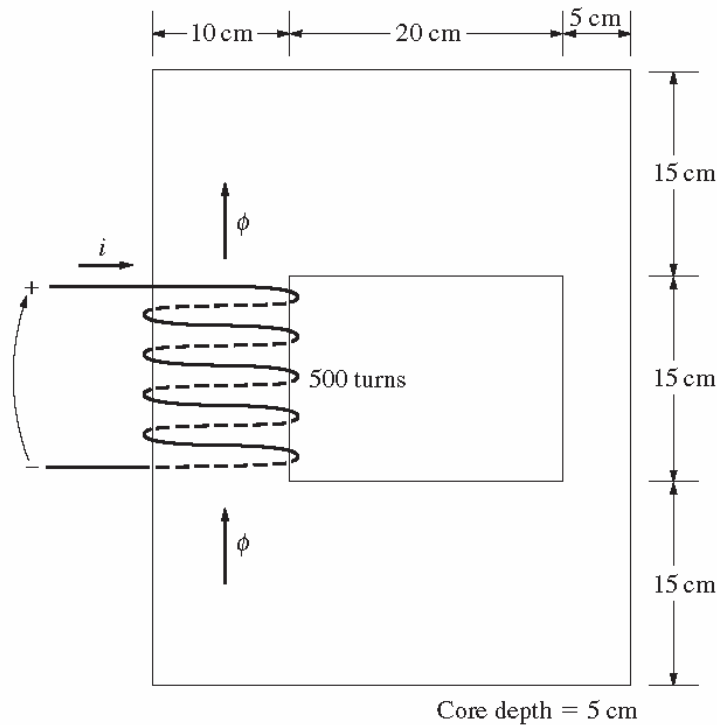
Quiz # 2 Sec. 4 Serial #

Name:

I.D.#

Circle the correct answer.

1) A ferromagnetic core is shown below. The relative permeability of the core is 800. The value of the magnetic flux flow in the core is 5.95 mWb. (5 Marks)



- a. The flux density on the right leg is half that of the left leg.
- b. The flux density on the right leg is double that of the left leg.**
- c. The flux density on the right leg is same as that of the left leg.
- d. None of the above.

2) For the same core shown above,

(5 Marks)

- a. The flux density on the right leg is one-third that of the top leg.
- b. The flux density on the right leg is triple that of the top leg.**
- c. The flux density on the right leg is same as that of the top leg.
- d. None of the above.