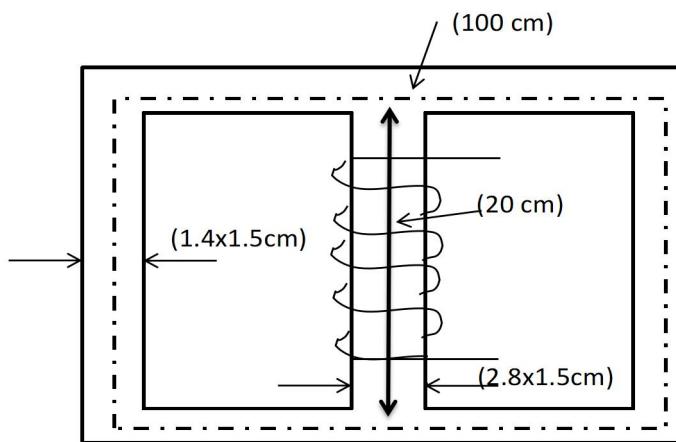


PSG COLLEGE OF TECHNOLOGY, COIMBATORE - 641 004
DEPARTMENT OF PHYSICS
Tutorial Test - 2 Date: 02.12.2024
23Z102 – Basics of Electrical and Electronic Systems

(2 x 5 mark = 10 mark)

- 1). The magnetic circuit shown below has a cast steel core of relative permeability 1200. The dimensions are as marked in the figure. The centre limb has 250 turns of wire closely wound around. Find the current required to produce a flux of 1.4mWb in the middle limb.



- 2) Discuss the various losses in the transformer and explain the methods to minimize it.