

Student Code



Page No.

Total No.

Experimental Question 1: Levitation of Conductors in an Oscillating Magnetic Field

ANSWER FORM

a. Expression for $\epsilon(t)$:

Expression for $I(t)$:

b. Expression for B_r in terms of r and $d\Phi_B/dz$:

c. Magnitude of α :

d. Circuit diagram:

The resistance R_{thin} of the thin ring:

e. The resistance R of the broad closed ring:

Student Code



i. The inductance L of the broad closed ring:

Result tables for parts (f), (g) and (h):

[illegible]

Student Code

[illegible]

Student Code

[illegible]