

NEET ELECTROMAGNETIC INDUCTION — MUTUAL INDUCTANCE — PYQS

Max. Marks: 8

Questions: 2

Section A (MCQ) — 2 questions

- Q.1** Two conducting circular loops of radii R_1 and R_2 are placed in the same plane with their centres coinciding. If $R_1 \gg R_2$, the mutual inductance M between them will be directly proportional to :

[NEET (UG) 2021]

- (1) $\frac{R_2^2}{R_1}$ (2) $\frac{R_1}{R_2}$ (3) $\frac{R_2}{R_1}$ (4) $\frac{R_1^2}{R_2}$

 Scan or tap for the
full solution


- Q.2** Two coils of self inductance 2 mH and 8 mH are placed so close together that the effective flux in one coil is completely linked with the other. The mutual inductance between these coils is

[AIPMT 2006]

- (1) 16 mH (2) 10 mH (3) 6 mH (4) 4 mH

 Scan or tap for the
full solution


ANSWER KEY

Ques.	1	2									
Ans.	1	4									