

NEET ELECTROMAGNETIC INDUCTION — ENERGY STORED IN AN INDUCTOR — PYQS

Max. Marks: 8

Questions: 2

Section A (MCQ) — 2 questions

Q.1 The magnetic energy stored in an inductor of inductance $4\ \mu\text{H}$ carrying a current of $2\ \text{A}$ is :

[NEET (UG) 2023]

- (1)
- $4\ \text{mJ}$
- (2)
- $8\ \text{mJ}$
- (3)
- $8\ \mu\text{J}$
- (4)
- $4\ \mu\text{J}$

Scan or tap for the
full solution

Q.2 The magnetic potential energy stored in a certain inductor is $25\ \text{mJ}$, when the current in the inductor is $60\ \text{mA}$. This inductor is of inductance

[NEET 2018]

- (1)
- $0.138\ \text{H}$
- (2)
- $138.88\ \text{H}$
-
- (3)
- $1.389\ \text{H}$
- (4)
- $13.89\ \text{H}$

Scan or tap for the
full solution

ANSWER KEY

Ques.	1	2									
Ans.	3	4									