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NEET ELECTROMAGNETIC INDUCTION — MAGNETIC FLUX — PYQS

Max. Marks: 8 **Questions:** 2

Section A (MCQ) — 2 questions

Q.1 A square loop of side 1 m and resistance 1 Ω is placed in a magnetic field of 0.5 T. If the plane of loop is perpendicular to the direction of magnetic field, the magnetic flux through the loop is

[NEET (UG) 2022]

(1) 2 weber (2) 0.5 weber
(3) 1 weber (4) Zero weber

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Q.2 A circular disc of radius 0.2 meter is placed in a uniform magnetic field of induction $\frac{1}{\pi}\left(\frac{\text{Wb}}{\text{m}^2}\right)$ in such a way that its axis makes an angle of 60° with $\vec{B}$. The magnetic flux linked with the disc is

[AIPMT 2008]

(1) 0.08 Wb (2) 0.01 Wb (3) 0.02 Wb (4) 0.06 Wb

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ANSWER KEY

Ques.	1	2									
Ans.	2	3									