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NEET ELECTROMAGNETIC INDUCTION — AC GENERATOR — PYQS

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

Section A (MCQ) — 2 questions

Q.1 A big circular coil of 1000 turns and average radius 10 m is rotating about its horizontal diameter at 2 rad s^{-1}. If the vertical component of earth's magnetic field at that place is 2×10^{-5} T and electrical resistance of the coil is 12.56 Ω, then the maximum induced current in the coil will be

[NEET (UG) 2022]

(1) 0.25 A (2) 1.5 A (3) 1 A (4) 2 A

Scan or tap for the full solution

Q.2 A wire loop is rotated in a magnetic field. The frequency of change of direction of the induced e.m.f. is [NEET 2013]

(1) four times per revolution

(2) six times per revolution

(3) once per revolution

(4) twice per revolution

Scan or tap for the full solution

ANSWER KEY

Ques.	1	2									
Ans.	3	4									