

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 $2 \times 10^{-5} \text{ T}$ and electrical resistance of the coil is 12.56Ω , 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										