

26 The magnetic flux linking a conducting loop changes sinusoidally with time.

Which of the following describes the phase difference between the magnetic flux linkage and the e.m.f. induced?

A They are in phase with each other.

B They are out of phase by $\pi/4$ rad.

C They are out of phase by $\pi/2$ rad.

D They are out of phase by π rad.

27 A metal surface is illuminated with a beam of monochromatic electromagnetic radiation. Based