

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