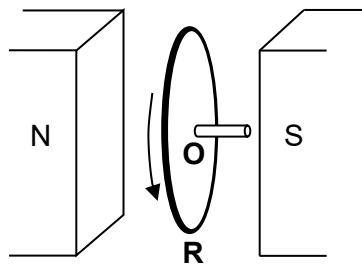
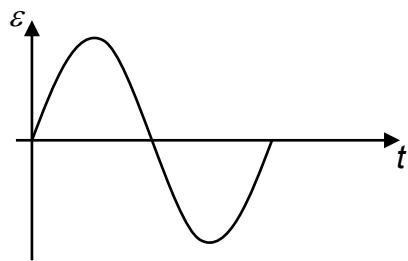


- 24** The figure below shows a copper disc rotating steadily about its centre O in a uniform magnetic field between two bar magnets. The magnetic field is acting perpendicularly to the disc.

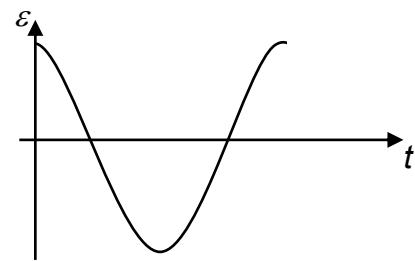


Which of the following graphs correctly shows the variation of the induced e.m.f.  $\varepsilon$  between the centre O and a point R on the rim of the disc with time  $t$ ?

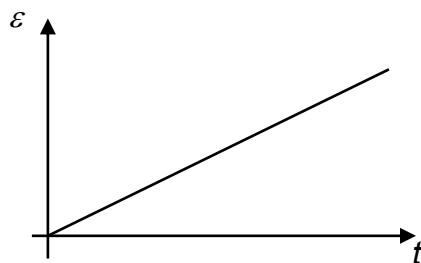
**A**



**B**



**C**



**D**

