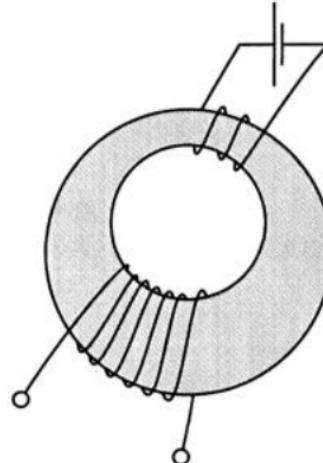


- 33 A soft iron ring of variable cross-section has two coils wound around it. One coil has 7 turns. The other, of 3 turns, is connected to a d.c. supply.



Which quantity is the same inside each coil?

- A magnetic field
- B magnetic flux
- C magnetic flux density
- D magnetic flux linkage

- 34 The graph shows how an alternating current  $I$  of peak value  $I_0$  varies with time  $t$ .