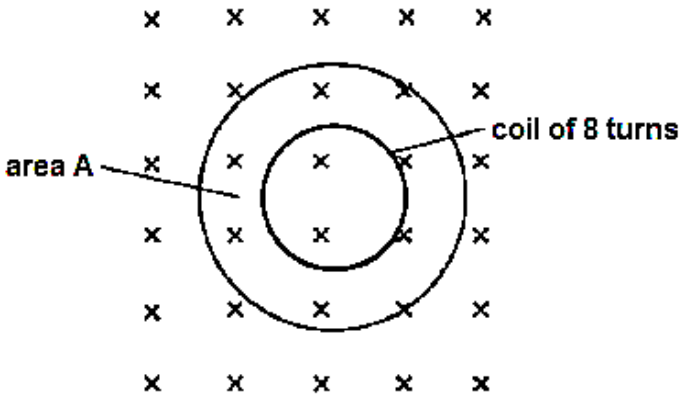
25 A uniform magnetic field of flux density *B* passes normally through a plane area *A*.

A coil of eight turns of wire, each of area 1/4 *A*, lies in this plane.



What is the magnetic flux linkage for the coil, expressed in terms of *B* and *A*?

A ¼*BA** **B** *BA* **C** 2*BA* **D** 8*BA*