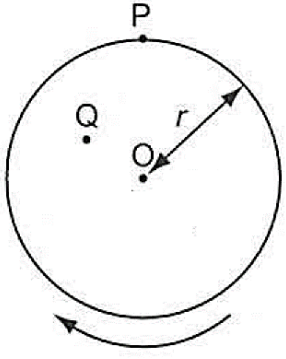
26 A copper disc of radius *r* rotates about its centre O at a constant speed. It is placed in a uniform magnetic field perpendicular to its surface. P is a point on the rim of the disc, while Q is a point at distance $\frac{r}{2}$ from O.



A steady electromotive force (e.m.f.) *E* is generated between points O and P.

What is the e.m.f. generated between points P and Q?

A zero **B** ¼ *E* **C** ½ *E* **D** ¾ *E*