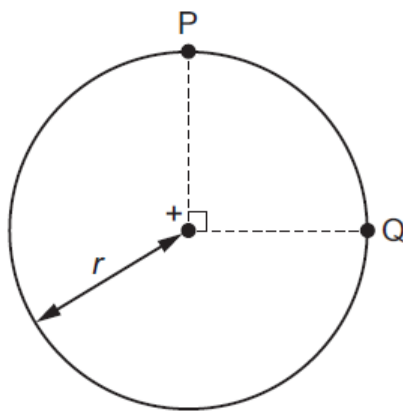**22** The diagram shows two points P and Q which lie 90° apart on a circle of radius r.

A positive point charge at the centre of the circle creates an electric field of magnitude E at both P and Q.

Which expression gives the work done in moving a unit positive charge from P to Q?

A 0

B E × r

C E × (0.5 πr)

D E × (πr)