

**21** Which of the following statements about an electric field is **incorrect**?

- A** The electric field strength at a point is a measure of the force exerted on a unit positive charge at that point.
- B** The electric field strength is zero at all points where the potential is zero.
- C** The electric field strength at a point is a measure of the potential gradient at that point.
- D** The electric field strength due to a point charge varies as  $\frac{1}{r^2}$  where  $r$  is the distance from the charge.