

- 19** In discussing electric fields, the terms 'electric field strength', 'electric potential' and 'potential gradient' are used.

Which statement about these terms is correct?

- A** Electric field strength at a point is the work done per unit positive charge in bringing a test charge from infinity to the point.
- B** Electric potential and potential gradient are both scalar quantities.
- C** The potential gradient at a point is numerically equal to the electric field strength at that point.
- D** A potential gradient of one volt exists between any two points, if one joule of work is done in transporting one coulomb of charge between the points.