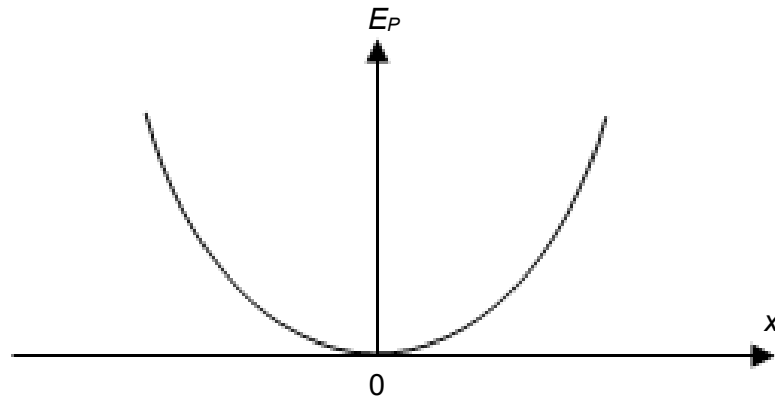


- 13** The graph shows the variation of potential energy E_p of a body with its displacement x from a fixed point O.



Which feature of the graph indicates that the net force on the body is always directed towards O?

- A** The graph passes through the origin.
- B** The graph is symmetrical about the vertical axis.
- C** The potential energy increases as the body moves away from O.
- D** The value of the potential energy is always positive.