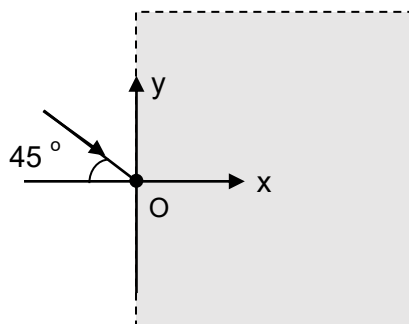


- 23** An electron enters a region at Point O at an angle of 45° to the x-axis as show. The shaded region contains a magnetic field which is directed into the plane of the page.



An electric field can be applied such that the electron is able to pass through the region undeflected. Which of the following correctly shows the direction of the electric field from O?

