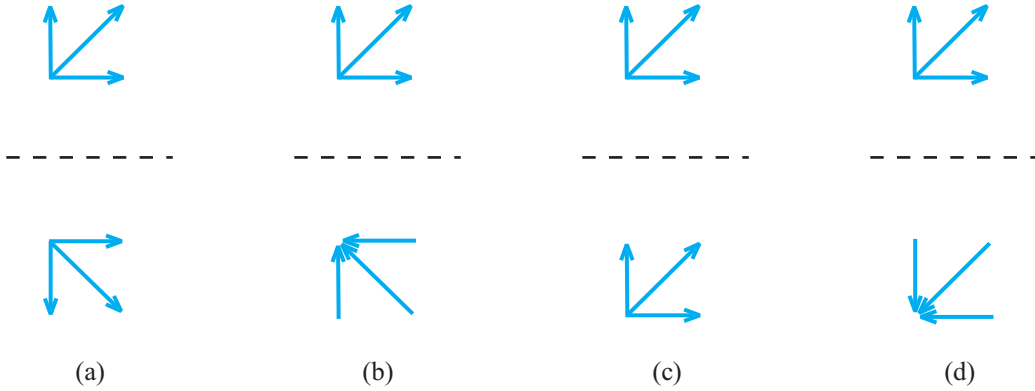

Image theory for electric dipoles above a conducting plane. Consider an electric dipole with a moment p placed in air above a horizontal conducting plane and its image in the plane such that the electric field in the upper half-space is the same in the original system and in the equivalent system using image theory. Images of three characteristic (vertical, horizontal, and oblique) dipoles are those shown in:

- (A) Fig.(a).
 (B) Fig.(b).
 (C) Fig.(c).
 (D) Fig.(d).



Solution: (B)

Answer: (B)