- A hockey player is moving northward and suddenly turns westward with the same speed to avoid an opponent. The force that acts on the player is
 - (a) frictional force along westward.

(d) muscle force along south-west.

(a) Irictional force along westward.(b) muscle force along southward.(c) frictional force along south-west.

Vinitial = Voice w. and E Vainel = V, (-8) change in momentum = Impulse = V_F-Vi >> Vi(-y - x) ョ) - vi (j+x) Changin mom. Chan (Impulse) => - in South-west So, Force = South west!