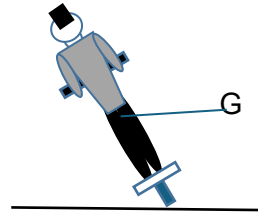


- 11 The diagram represents a rider making a left turn on a rough road surface on his electric scooter at constant speed v , as viewed from behind. The total mass of the electric scooter and rider is m and their combined centre of gravity is G as shown.



If R is the resultant force of the normal reaction force and the frictional force, which vector diagram represents the directions of the forces acting on the scooter and its rider?

