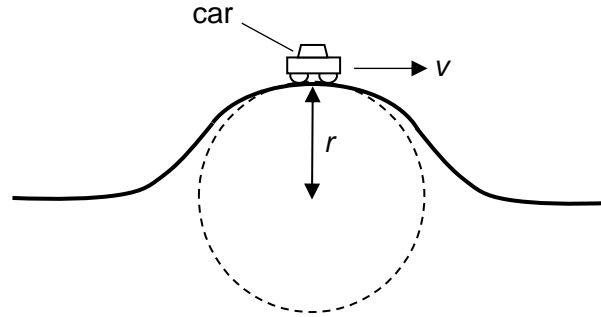


- 11 A car of mass m moving at a constant speed v passes over a humpback bridge of radius of curvature r .

Given that the car remains in contact with the road, what is the normal reaction force R experienced by the car when it is at the top of the bridge?



- A $R = mg + \frac{mv^2}{r}$
B $R = mg - \frac{mv^2}{r}$
C $R = \frac{mv^2}{r} - mg$
D $R = \frac{mv^2}{r}$