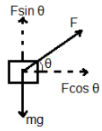


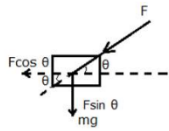
### QUES 07

Explain why it is easier to pull a lawn mower than to push it.

**Sol.** When we pull a lawn mower, a force at some angle is applied on it. The vertical component is in the upward direction. This upward component reduces the effective weight of the mower, thus making it easier to pull.



Whereas, when we push a lawn mower, a force acting at some angle is applied on it, the vertical component is in the downward direction and act thus, increases the effective weight of the land mower.



Due to the less effective weight in the first case, the land mower is easier to pull than push.