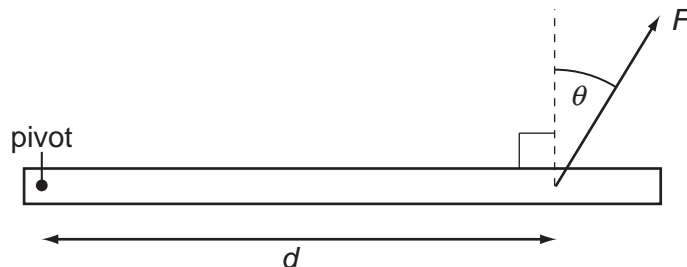


- 14** A force  $F$  is applied to a beam at a distance  $d$  from a pivot. The force acts at an angle  $\theta$  to a line perpendicular to the beam.



Which combination will cause the largest turning effect about the pivot?

	$F$	$d$	$\theta$
<b>A</b>	large	large	large
<b>B</b>	large	large	small
<b>C</b>	small	small	large
<b>D</b>	small	large	small

- 15** A rigid uniform bar of length 2.4 m is pivoted horizontally at its mid-point