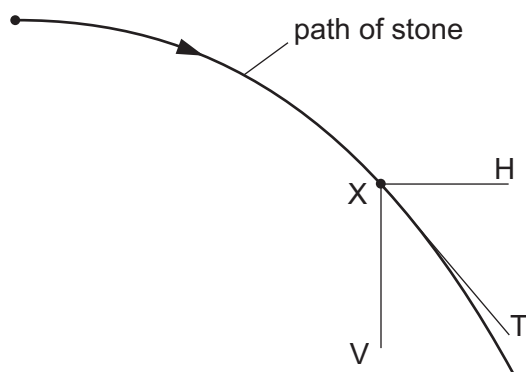


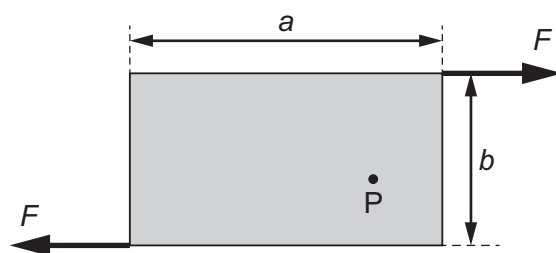
- 11 A stone is projected horizontally in a vacuum and moves along the path shown.



X is a point on this path. XV and XH are vertical and horizontal lines respectively through X. XT is the tangent to the path at X.

Along which directions do forces act on the stone at X?

- A** XV and XH **B** XV only **C** XH only **D** XT only
- 12 Two forces, each of magnitude F , act along the edges of a rectangular metal plate, as shown.



The plate has length a and width b .

What is the torque about point P?

- A** Fa **B** Fb **C** $2Fa$ **D** $2Fb$