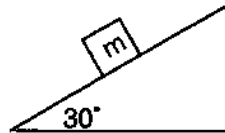


5. A block of mass m rests on an inclined plane of angle 30° as shown in the figure. The force of friction acting on the block is



A. $f_s \geq m g$

B. $f_s \geq m g \tan 30^\circ$

C. $f_s \geq m g \sin 30^\circ$

D. $f_s = m g$

E. $f_s = m g \tan 30^\circ$

F. $f_s = m g \sin 30^\circ$

Ans. _____