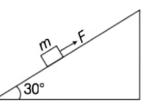
Q. A block of mass 1 kg is pushed up a surface inclined to horizontal at an angle of 30° by a force of 10 N parallel to the inclined surface (figure). The coefficient of friction between block and the incline is 0.1. If the block is pushed up by 10 m along the incline, calculate



- (a) work done against gravity
- (b) work done against force of friction
- (c) increases in potential energy
- (d) increase in kinetic energy
- (e) work done by applied force

