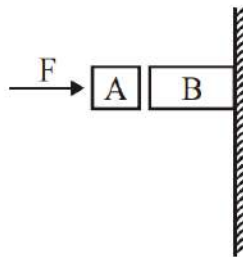


Given in the figure are two blocks A and B of weight 20 N and 100 N, respectively. These are being pressed against a wall by a force  $F$  as shown. If the coefficient of friction between the blocks is 0.1 and between block B and the wall is 0.15, the frictional force applied by the wall on block B is :-

**[JEE-Main-2015]**



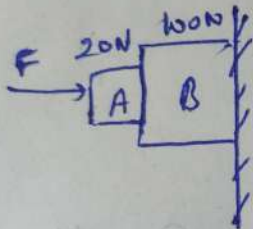
(1) 120 N

(2) 150 N

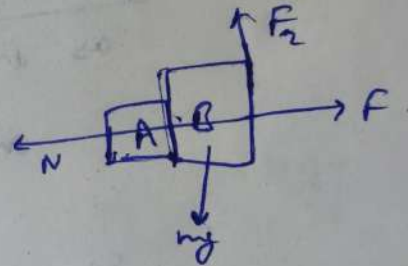
(3) 100 N

(4) 80 N

Soln



A+B as system



$$\text{So, } F_2 = mg$$

$$F_2 = 100 + 20 = 120N$$