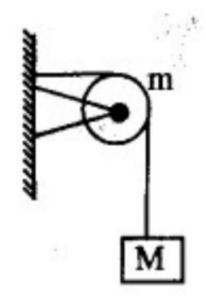
11.A string of negligible mass going over a clamped pulley of mass m supports a block of mass M as shown in the figure. The force on the pulley by the clamp is given by [2001-2] marks]



a)
$$\sqrt{2}$$
 Mg

c)
$$\sqrt{(M+m)^2 + m^2}$$
 g

b)
$$\sqrt{2}$$
 mg

c)
$$\sqrt{(M+m)^2 + m^2}$$
 g d) $\sqrt{(M+m)^2 + M^2}$ g

