

(3) $9.83 \times 10^{37} \text{ kg m}^2$

(4) $8.63 \times 10^{26} \text{ kg m}^2$

50. Moment of inertia of combination of two discs of same mass M and same radius R kept in contact about the tangent passing through point of contact and in the plane of discs, as shown is

(1) $\frac{MR^2}{4}$

(2) $\frac{5}{4}MR^2$

(3) $\frac{MR^2}{2}$

(4) $\frac{5}{2}MR^2$

