Moment of Force:

The **moment of a force** gives us the turning effect of about a fixed point.

It depends on two factors.

- **Magnitude of applied force:** The moment of force is directly proportional to the applied force.

  Thus larger the force applied, greater is the turning effect.

- **Perpendicular distance of the force from the pivot:** The turning effect of force also depends directly on the perpendicular distance (or the shortest distance) between the point of application of force and the pivot.

Assignment

A. Explain Moment of force

B. Write the SI unit of moment of force.

C. Give two applications of the turning effect of force.