



The modulus of rigidity of ideal liquid is

- (A) zero
- (B) infinite
- (C) unity
- (D) some finite non-zero constant

The **correct answer** is: **(A) zero**

Explanation:

The **modulus of rigidity** (also called shear modulus) measures a substance's resistance to shear stress. An **ideal liquid** cannot resist any shear stress — it flows continuously under any amount of shear force. Hence, it has **zero** shear modulus.