103. A moving coil galvanometer has a coil with 175 turns and area 1 cm². It uses a torsion band of torsion constant 10-⁶ N-m/rad. The coil is placed in a magnetic field B parallel to its plane. The coil deflects by 1° for a current of 1mA. The value of B (in Tesla) is approximately:

(c) 10⁻¹ (c) 10⁻³

3. (d) $C\theta = NBiA \sin 90^\circ$

 $B = 10^{-3} \text{ T}$

(4) History i - i -

or $10^{-6} \left(\frac{\pi}{180} \right) = 175B(10^{-3}) \times 10^{-4}$