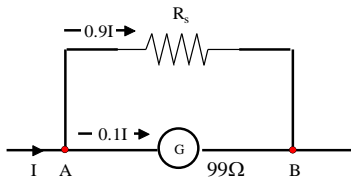


Value of shunt resistance which lets just 10% of the main current to pass through a galvanometer coil of 99Ω resistance is:

- (A) 891Ω (B) 89.1Ω (C) 110Ω (D) 11Ω

Solution



$$V_A - V_B = 0.9I \times R_s = 0.1I \times 99$$

$$\therefore R_s = \frac{99}{9} = 11\Omega$$

Hence, (D)