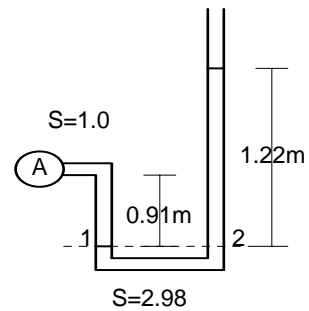


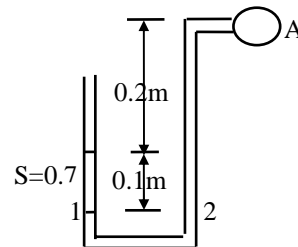
A

$$\begin{aligned} P_A &= ? \\ \therefore P_1 &= P_2 \\ \therefore P_1 &= 0 + 1.22 \times (2.98 \times 9.81) \\ \therefore P_2 &= P_A + 0.91 \times (1 \times 9.81) \\ \therefore 0 + 1.22 \times (2.98 \times 9.81) &= P_A + 0.91 \times (1 \times 9.81) \\ \therefore P_A &= 35.665 - 8.927 = 26.738 \text{ k.pa} \end{aligned}$$

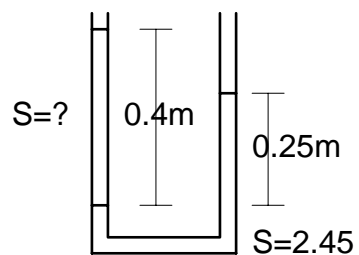


A

$$\begin{aligned} \therefore P_1 &= P_2 \\ \therefore 0 + 0.1(0.7 \times 9810) &= P_A + 0.3(9810) \\ \therefore P_A &= 686.7 - 2943 \\ \therefore P_A &= -2256.3 \text{ Pa} \end{aligned}$$



$$\begin{aligned} \therefore P_1 &= P_2 \\ \therefore 0 + 0.4(S \times 9.81) &= 0 + 0.25(2.45 \times 9.81) \\ \therefore S &= 1.53 \end{aligned}$$



$$\sin 35^\circ = \frac{0.2}{L} \quad \text{A}$$

$$0.75 = S_m$$

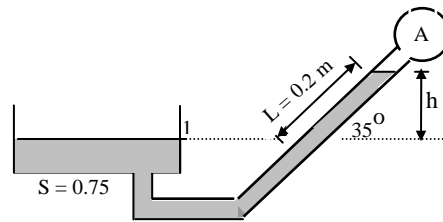
$$\therefore P_1 = P_2$$

$$\therefore 0 = P_A + h(0.75 \times 9.81)$$

$$\therefore h = L \sin 35^\circ = 0.2 \times \sin 35^\circ = 0.115 \text{ m}$$

$$\therefore P_A = -0.115 \times 0.75 \times 9.81$$

$$= -0.846 \text{ kPa}$$



$$\therefore 1.38 \text{ A}$$

$$h$$

$$\therefore P_1 = P_2$$

$$\therefore P_A + (0.8 + h) \cdot \gamma_w = 0 + h \cdot \gamma_{Hg}$$

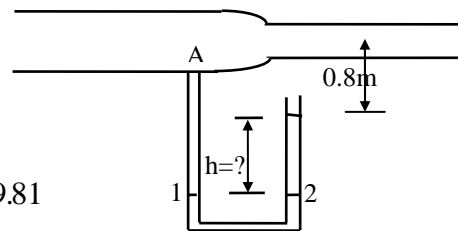
$$\therefore P_A + 0.8 \times \gamma_w + h \times \gamma_w = h \times 13.56 \times \gamma_w$$

$$\therefore 1.38 \times 100 + 0.8 \times 9.81 + h \times 9.81 = h \times 13.56 \times 9.81$$

$$\therefore 145.848 + h \times 9.81 = h \times 13.56 \times 9.81$$

$$\therefore 145.848 = 123.21 h$$

$$\therefore h = 0.845 \text{ m}$$



B A

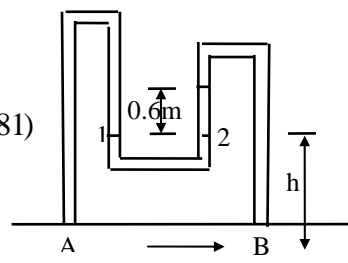
$$\therefore P_1 = P_2$$

$$\therefore P_A - h(9.81) = P_B - (h + 0.6)(9.81) + 0.6(13.56 \times 9.81)$$

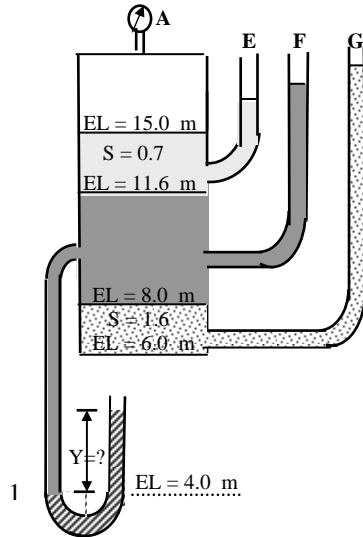
$$\therefore P_A - 9.81h = P_B - 9.81h - 58.86 + 79.81$$

$$\therefore P_A - P_B = 79.81 - 58.86$$

$$\therefore P_A - P_B = 20.95 \text{ KPa}$$



: - 17.2 A
 . E, F, G
 U



$$P_{E15m} = - 17.2 \text{ k.pa}$$

$$P_{E11.6m} = - 17.2 + (15 - 11.6) \times (0.7 \times 9.81) = 6.148 \text{ k.pa}$$

$$P_{E8m} = P_{E11.6m} + (11.6 - 8.0) \times (1 \times 9.81) = 41.464 \text{ k.pa}$$

$$P_{E6m} = P_{E8m} + (8 - 6) \times (1.6 \times 9.81) = 72.856 \text{ k.pa}$$

/
 .(/)

$$0 + (P_{EE} - 11.6) \times (0.7 \times 9.81) = P_{E11.5m}$$

$$0 + (P_{EE} - 11.6) \times (0.7 \times 9.81) = 6.148$$

$$P_{EE} = 12.5 \text{ m}$$

$$0 + (P_{EF} - 8.0) \times (1.0 \times 9.81) = P_{E8m}$$

$$0 + (P_{EF} - 8.0) \times (1.0 \times 9.81) = 41.464$$

$$P_{EF} = 12.23 \text{ m}$$

$$0 + (P_{EG} - 6.0) \times (1.6 \times 9.81) = P_{E6m}$$

$$0 + (P_{EG} - 6.0) \times (1.6 \times 9.81) = 72.856$$

$$P_{EG} = 10.64 \text{ m}$$

$$P_{E11.6m} + (11.6 - 4.0) \times (1.0 \times 9.81) = 0 + h \times (13.57 \times 9.81)$$

$$6.148 + (11.6 - 4.0) \times (1.0 \times 9.81) = 0 + h \times (13.57 \times 9.81)$$

$$h = 0.61 \text{ m}$$