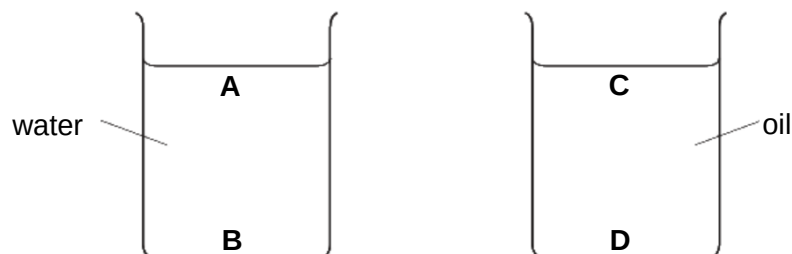


Question 1

Two beakers are filled to the same depth, one with water and one with oil.

The density of water is 1000 kg/m^3 . The density of oil is 920 kg/m^3 .

In which position is the pressure the greatest?

**Question 2**

A book has a mass of 400 g .

The surface of the book in contact with a table has dimensions $0.10 \text{ m} \times 0.20 \text{ m}$.

The gravitational field strength g is 10 N/kg .

What is the pressure exerted on the table due to the book?

- A** 0.08 N/m^2 **B** 8.0 N/m^2 **C** 20 N/m^2 **D** 200 N/m^2