

NEET MECHANICAL PROPERTIES OF FLUIDS — ANGLE OF CONTACT, EXCESS PRESSURE IN DROPS AND BUBBLES — PYQS

Max. Marks: 12

Questions: 3

Section A (MCQ) — 3 questions

Q.1 If a soap bubble expands, the pressure inside the bubble [NEET (UG) 2022]

- (1) Decreases
- (2) Increases
- (3) Remains the same
- (4) Is equal to the atmospheric pressure

Scan or tap for the full solution



Q.2 A soap bubble, having radius of 1 mm, is blown from a detergent solution having a surface tension of 2.5×10^{-2} N/m. The pressure inside the bubble equals the pressure at a point Z_0 below the free surface of water in a container. Taking $g = 10 \text{ m/s}^2$, density of water = 10^3 kg/m^3 , the value of Z_0 is :

[NEET (UG) 2019]

- (1) 1 cm (2) 10 cm (3) 100 cm (4) 0.5 cm

Scan or tap for the full solution



Q.3 The wettability of a surface by a liquid depends primarily on [NEET 2013]

- (1) density
- (2) angle of contact between the surface and the liquid
- (3) viscosity
- (4) surface tension

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3								
Ans.	1	1	2								