

**QUIZ NO: 483**

**TOPIC: FLUID MECHANICS**

**DATE: 18/08/2021**

1. A 70 kg person walks on snow with a total foot implant area of  $500\text{cm}^2$ .  
Pressure the person exerts on snow in kPa is:

- [A] 13.73
- [B] 14.21
- [C] 14
- [D] 9.34

**Answer: A**

2. A 20mm diameter soap bubble has an internal pressure  $27.575\text{ N/m}^2$  greater than the outside atmospheric pressure, then the surface tension of soap air interface is (in  $\text{N/m}$ )

- [A] 0.0575
- [B] 0.0689
- [C] 0.0344
- [D] 0.0435

**Answer: B**

**3. The Dimension for kinematic viscosity is**

- [A]  $FL^{-2}T$
- [B]  $ML^{-1}T^{-1}$
- [C]  $L^2T^{-2}$
- [D]  $L^2T^{-1}$

**Answer: D**

**4. 1 Stoke is**

- [A]  $10^{-3} \text{ m}^2/\text{s}$
- [B]  $10^4 \text{ m}^2/\text{s}$
- [C]  $10^{-4} \text{ m}^2/\text{s}$
- [D]  $0.1 \text{ m}^2/\text{s}$

**Answer: C**

**5. Which among the following statement is true**

- [A] Liquids are compressible in Nature
- [B] Gas is a liquid
- [C] Solid is a Fluid
- [D] Gases are compressible in Nature

**Answer: D**

# To PURCHASE Our COURSES

## LIVE CLASSES

Assistant Engineer Standard 2021

GATE 2022 Civil – Live/Recorded

### Assistant Engineer Courses

Assistant Engineer Premium 2021

Assistant Engineer – Kerala Pollution Control Board

Assistant Engineer essential

### Overseer Courses

OVERSEER - Premium

KWA IRRIGATION LSGD PWD OVERSEER

OVERSEER PRE RECORDED 2021

GATE 2022 Civil Prerecorded

## TEST SERIES (With detailed solution)

Online Test Series Combo

AE Test Series

SSC JE Subjectwise

OVERSEER Test Series

GATE 2021 Test Series

ISRO Test Series

Full length tests – GATE

SSC JE CIVIL Test Series

Topicwise tests for GATE

SSC JE Full Length Tests

Subjectwise Test series – GATE

## E- BOOKS

HANDWRITTEN NOTES – E book

E – Book for Civil Engineering INTERVIEWS

133 PYQ E - book

Mechanical Engineering E - Book

Assistant Engineer & Overseer Quick Reference E - Book



Assistant Engineer and Overseer Grade 1 exams Pre-recorded classes



## Connect with us



CLICK



elearncivilianz@gmail.com



9497 498 415



civilianz



Clubhouse



Civilianz\_official



Civil study Circle



Civilianz



WWW.CIVILIANZ.COM

for SAMPLE CLASSES

AE



GATE



Overseer



CLICK

**6. Capillarity is due to**

- [A] Cohesion alone  $\sigma$
- [B] Adhesion alone
- [C] Both cohesion and Adhesion
- [D] Surface Tension

**Answer: C**

**7. The Ratio of pressure built up inside a soap bubble to pressure inside a liquid drop is:**

- [A] 0.5
- [B] 2
- [C] 1
- [D] 0.25

**Answer: B**

**8. Ideal fluids are**

- [A] Non viscous in Nature
- [B] They do not offer any Resistance during flow
- [C] Shear stress as per Newton's law of viscosity is zero
- [D] All of the above

**Answer: D**

**9. Example of Bingham fluid is:**

- [A] Milk
- [B] Blood
- [C] Tooth paste
- [D] Both A and B

**Answer: C**

**10. Which of the following statement is correct**

- [A] Real fluids are viscous in Nature
- [B] Newtonian fluid is an Ideal fluid
- [C] Non Newtonian Fluid is an Ideal fluid
- [D] None of the above

**Answer: A**

Join our social media platforms

